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CURRENT SERIAL RECORDS

# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,

and

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah State University, U.S. National  
Park Service, U.S. Geological Survey; and other Federal, State,  
and private organizations.

AS OF  
MAY 1, 1970

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE              | ADDRESS   |
|--------------------|---|
| Alaska             | P. O. Box "F", Palmer, Alaska 99645               |
| Arizona            | 6029 Federal Building, Phoenix, Arizona 85025     |
| Colorado (N. Mex.) | 12417 Federal Building, Denver, Colorado 80202    |
| Idaho              | Room 345, 304 N. 8th. St., Boise, Idaho 83702     |
| Montana            | P. O. Box 98, Bozeman, Montana 59715              |
| Nevada             | P. O. Box 4850, Reno Nevada 89505                 |
| Oregon             | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah               | 4012 Federal Building, Salt Lake City, Utah 84111 |
| Washington         | 360 U.S. Court House, Spokane, Washington 99201   |
| Wyoming            | P. O. Box 340, Casper, Wyoming 82601              |

### PUBLISHED BY OTHER AGENCIES.

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



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and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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SOIL CONSERVATION SERVICE  
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# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

May 1, 1970  
Approximate Date

50 0 50 100  
SCALE IN MILES

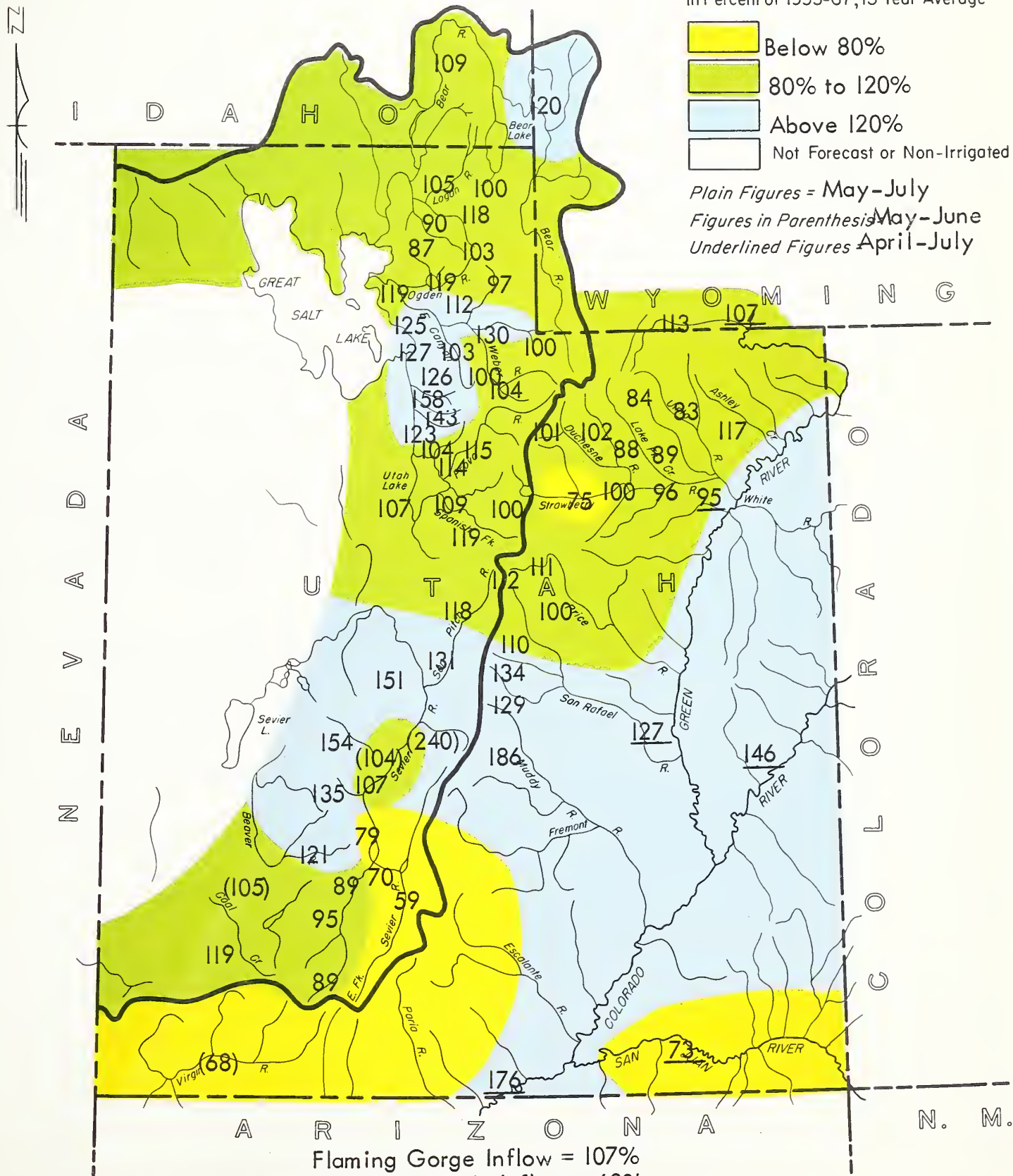
FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = May-July

Figures in Parenthesis = May-June

Underlined Figures = April-July



Flaming Gorge Inflow = 107%  
Navajo Reservoir Inflow = 68%  
Lake Powell Inflow = 126%



# WATER SUPPLY OUTLOOK

as of

MAY 1, 1970

\*\*\*\*\*  
\* Utah's Water Supply Outlook still varies from "below average" \*  
\* on the Virgin and San Juan Rivers to "above average" on Salina \*  
\* Creek, Lower Sevier and Parley's Creek. Other areas of the \*  
\* State are "near average". \*  
\* Cool April temperatures delayed snow melt leaving May 1 snow \*  
\* cover ranging from 90% of average on Uintah-Whiterocks drain- \*  
\* ages to 300% of the May 1 average on the LaSal mountains near \*  
\* Moab. Reservoir storage is 135% of the 1953-67 average for \*  
\* May 1. All Utah water users are expected to have adequate \*  
\* water supplies this year except those served by direct flow \*  
\* on the Virgin River where late season shortages are expected. \*  
\*\*\*\*\*

## NORTHERN UTAH

The Water Supply Outlook for northern Utah is "average" to "above average". Cool April temperatures delayed snow-melt leaving May 1 snow cover 118% to 208% of the 1953-67 average. Reservoir storage is well above average.

### Precipitation and Snow Cover

Mountain precipitation gage readings varied from 56% to 130% of average for April. May 1 snow measurements ranged from 118% on Chalk Creek to 208% of average on Hobbie Creek. Snow cover on the Logan River was 132%, 129% on the Ogden, 137% on the Weber, 119% on the Provo and 170% on Spanish Fork River.

Snow cover along the Wasatch front near Salt Lake is about 150% of the May 1 average while East Canyon Creek is 138% and the Oquirrh mountains above Tooele are 153% of average. The upper Bear River has 165% of the May 1 average snow water content.

### Streamflow and Reservoir Storage

Streamflow forecasts for the May-July period vary from 87% of average on the Little Bear to 158% on Parley's Creek near Salt Lake City. Bear River at Utah-Wyoming Line is forecast to flow 100,000 acre feet(100%) and the Logan River 90,000 acre feet(105%). The South Fork of the Ogden is expected to flow 43,000 acre feet(119%) and the Inflow to Pineview is expected to be 75,000 acre feet(119%) during the May-July period. Lost Creek is forecast to flow 10,000 acre feet(112%) and Chalk Creek 30,000 acre feet(130%).

The Weber River is expected to flow 103,000 acre feet(104%) at Oakley and East Canyon Creek 15,000 acre feet(127%). Big Cottonwood Creek is forecast to flow 43,000 acre feet(143%), Parley's Creek 11,400 acre feet(158%) and Little Cottonwood 38,000 acre feet(123%) during the May-July period.

## WATER SUPPLY OUTLOOK (continued)

The American Fork River is expected to flow 25,000 acre feet(104%), the Provo below Deer Creek Dam 99,000 acre feet(114%) and Hobbie Creek 11,000 acre feet(109%). Spanish Fork River is expected to flow 25,000 acre feet(119%) and the Inflow to Strawberry Reservoir is expected to be 31,000 acre feet(100%). Utah Lake Inflow is expected to be 145,000 acre feet(107%) during May-July.

Reservoir storage is well above average in northern Utah. Utah Lake was 0.22 feet below compromise on April 30 and Strawberry held 201,200 acre feet of useable storage.

### EASTERN UTAH

The Water Supply Outlook for Eastern Utah is "near average" to "above average". May 1 snow cover is average to three times average and reservoir storage is above average except for Moon Lake which is 60% of its May 1 average.

#### Precipitation and Snow Cover

April precipitation ranged from about 40 to 130% in Uintah Basin. Cool temperatures delayed snow melt leaving snow cover ranging from 90% on the Uintah-Whiterocks drainage to about 122% of the May 1 average on Ashley Creek. Lake Fork had 93% of average and the Upper Duchesne 121%. The aerial snow depth markers at higher elevations in the Uintahs were flown May 1 by the Utah Fish & Game. Snow depths at these markers were generally deeper than last year at this time and should add to later flows this summer.

Snow cover on the Price River is 152% of average. Snow cover on streams draining into the San Rafael is 143% and snow cover on the Fremont River is 182% of the May 1 average.

Cool April temperatures reduced snow melt in Southeastern Utah leaving the LaSals near Moab with 300% of average May 1 snow cover and the Blue Mountains near Monticello have 240% of average May 1 snow cover.

#### Reservoir Storage

Reservoirs in Eastern Utah all hold above average storage except Moon Lake which held 10,600 acre feet on May 1. Last year it held 29,100 acre feet on May 1 and the average May 1 storage is 17,500 acre feet. Steinaker had 24,300 acre feet and last year it held 26,500 acre feet on May 1. Starvation Reservoir now has 45,600 acre feet of stored water and Flaming Gorge held 1,476,400 acre feet as of May 1. Scofield Reservoir held 52,700 acre feet. Last year it held 44,000 ac.ft. and the May 1 average is 26,400 ac.ft. Joe's Valley held 44,900 a.f. and last May 1 it held 31,100 acre feet.

#### Streamflow

Streamflow forecasts for the May-July period range from 73% of average for the San Juan at Bluff to 186% of average on Muddy Creek. Uintah Basin streams are expected to flow 83 - 117% of average. The Duchesne is forecast to flow 86,000 a.f. (101%) at Tabiona, 155,000 a.f.(100%) at Duchesne and 200,000 a.f.(96%) at Myton during the May-July period. Rock Creek is expected to flow 85,000 a.f.(102%) and the Strawberry at Duchesne 30,000 a.f. Lakefork is forecast to flow 55,000 a.f. (88%) and the Yellowstone 50,000 a.f.(89%) during the May-July period. The Uintah and Whiterocks Rivers are expected to flow 63,000(84%) and 40,000 a.f.(83%).

Scofield Reservoir Inflow is expected to be 30,000 a.f.(111%) and the Price River 43,000 a.f.(100%) during the May-July period. Huntington Creek is forecast to flow 42,000 a.f.(110%), Cottonwood Creek 55,000 a.f.(134%) and Ferron Creek 40,000 a.f. (129%).

# WATER SUPPLY OUTLOOK (continued)

## CENTRAL and SOUTHERN UTAH

The Water Supply Outlook for Central and Southern Utah varies from "below average" on the Virgin River to "above average" on the Lower Sevier, Salina Creek and Chalk Creek.

### Precipitation and Snow Cover

Mountain precipitation varied from 40 - 190% of the April average. Several stations are still only 60% of the October-April average while the highest is Fish Lake at 140% of average for the October through April period.

Snow-melt was delayed by cool temperatures and May 1 measurements of snow cover range from about 90% of average on the Upper Sevier to 214% on Chalk Creek above Fillmore. Beaver River snow cover is 139% and Coal Creek 107% of the May 1 average. Virgin River snow cover is 98% of average at higher elevations but lower areas of the watershed are drying out earlier than usual. Salina Creek snow cover is 168% and Clear Creek 170% of average. San Pitch snow cover is 128 - 139% of the May 1 average for the 1953-67 period.

### Reservoir Storage

Storage in Sevier River Reservoirs (Piute, Otter Creek, and Sevier Bridge) now totals 340,380 acre feet or 211% of the May 1 average. Otter Creek is full, Piute has 62,300 acre feet and Sevier Bridge 223,400 acre feet as of April 30. Gunnison Reservoir held 15,600 acre feet on the same date.

### Streamflow

Streamflow forecasts now range from 15,000 acre feet (68%) on the Virgin River for the May-June period to 12,000 acre feet (240%) on Salina Creek for the May-July period. The Sevier is expected to flow 24,000 acre feet (89%) at Hatch, 19,000 acre feet Circleville, 9,500 acre feet at Kingston and the East Fork 4,500 acre feet near Kingston. Vermillion Dam to Gunnison reach is expected to produce 27,000 acre feet (104%) during May and June. Clear Creek is forecast to flow 14,200 acre feet (135%) during the May-July period and Salina Creek 12,000 acre feet (240%) during the May-June period. The Sevier near Gunnison is expected to flow 33,000 acre feet (151%) May through July.

Water supplies are expected to be average to above average except on the Virgin and Upper Sevier above Piute Reservoir where some late season shortages are expected.



**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

| Basin or Stream     | RESERVOIR                      | Usable Capacity | Usable Storage |           |          |
|---------------------|--------------------------------|-----------------|----------------|-----------|----------|
|                     |                                |                 | This Year      | Last Year | Average† |
|                     | <u>GREAT BASIN</u>             |                 |                |           |          |
| <u>Bear River</u>   | Bear Lake                      | 1421.0          | 1151.3         | 1166.3    | 951.9    |
|                     | Woodruff Narrows               | 26.5            | 26.5           | 26.5      | - -      |
| <u>Beaver River</u> | Minersville(Rky Fd)            | 23.3            | 23.3           | 23.3      | 11.3     |
| <u>Little Bear</u>  | Hyrum                          | 15.3            | 15.3           | 11.0      | 15.1     |
|                     | Porcupine                      | 11.3            | 8.0            | 11.3      | - -      |
| <u>Ogden</u>        | Causey                         | 7.1             | 2.2            | 3.4       | - -      |
|                     | Pineview                       | 110.1           | 64.8           | 86.7      | 50.9     |
| <u>Provo</u>        | Deer Creek                     | 149.7           | 91.2           | 114.1     | 97.0     |
| <u>Sevier River</u> | Gunnison                       | 18.2            | 15.6           | 17.2      | - -      |
|                     | Otter Creek                    | 52.5            | 54.7           | 52.7      | 31.4     |
|                     | Piute                          | 71.8            | 62.3           | 62.1      | 35.0     |
|                     | Sevier Bridge                  | 236.0           | 223.4          | 166.2     | 94.6     |
| <u>Spanish Fork</u> | Strawberry                     | 270.0           | 201.2          | 175.6     | 132.2    |
| <u>Utah Lake</u>    | Utah Lake                      | 883.9           | 863.0          | 922.2     | 620.4    |
| <u>Weber</u>        | East Canyon                    | 48.1            | 36.7           | 43.2      | 18.5     |
|                     | Echo                           | 73.9            | 64.4           | 42.9      | 51.2     |
|                     | Lost Creek                     | 20.0            | 15.0           | 16.8      | - -      |
|                     | Rockport                       | 60.9            | 27.7           | 37.0      | 27.3     |
|                     | Willard Bay                    | 193.3           | 161.1          | 143.9     | - -      |
|                     | <u>COLORADO RIVER DRAINAGE</u> |                 |                |           |          |
| <u>Ashley Creek</u> | Steinaker                      | 33.3            | 24.3           | 26.5      | - -      |
| <u>Colorado</u>     | Blue Mesa                      | 829.5           | 420.6          | 362.3     | - -      |
|                     | Lake Powell                    | 25002.0         | 9152.0         | 8049.0    | - -      |
| <u>Green</u>        | Flaming Gorge                  | 3749.0          | 1476.4         | 1712.1    | - -      |
| <u>Lake Fork</u>    | Moon Lake                      | 35.8            | 10.6           | 29.1      | 17.5     |
| <u>Price River</u>  | Scofield                       | 65.8            | 52.7           | 44.0      | 26.4     |
| <u>San Rafael</u>   | Joe's Valley                   | 54.6            | 44.9           | 31.1      | - -      |
| <u>San Juan</u>     | Navajo                         | 1696.4          | 876.6          | 732.8     | - -      |
| <u>Strawberry</u>   | Starvation                     | 165.3           | 45.6           | - -       | - -      |

## STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS                | THIS YEAR          |                    |                 | PAST RECORD        |           |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN STREAM and/or FORECAST POINT  | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|                                     | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <u>BEAR RIVER SYSTEM</u>            |                    |                    |                 |                    |           |
| Bear at Harer, Idaho                | 170                | 109                | May-July        | 174                | 156       |
| Bear nr Randolph                    | 56                 | 100                | May-July        | - -                | 56        |
| Bear nr Ut-Wyo State Line           | 100                | 100                | May-July        | 102                | 100       |
| Bear nr Woodruff                    | 85                 | 97                 | May-July        | 85                 | 88        |
| Big Crk nr Randolph, Utah           | 4.5                | 118                | May-July        | 4.1                | 3.8       |
| Blacksmith Fork nr Hyrum            | 27                 | 90                 | May-July        | 33                 | 30        |
| Little Bear nr Paradise             | 16.2               | 87                 | May-June        | 24                 | 18.6      |
| Logan nr Logan (1)                  | 90                 | 105                | May-July        | 91                 | 86        |
| Smith's Fork nr Border, Wyoming     | 130                | 120                | Apr-Sept        | 115                | 108       |
| Woodruff Crk nr Woodruff, Utah      | 11.5               | 103                | May-July        | 17.2               | 11.2      |
| <u>WEBER-OGDEN RIVERS</u>           |                    |                    |                 |                    |           |
| Chalk Crk. at Coalville             | 30                 | 130                | May-July        | 34                 | 23        |
| East Canyon Crk. nr Morgan (2)      | 15.0               | 127                | May-July        | - -                | 11.8      |
| Hardscrabble Crk nr Porterville     | 14.5               | 126                | May-July        | 14.6               | 11.5      |
| Lost Crk. nr Croydon, Utah          | 10.0               | 112                | May-July        | - -                | 8.9       |
| Pineview Reservoir Inflow (3)       | 75                 | 119                | May-July        | 80                 | 63        |
| South Fork Ogden nr Huntsville      | 43                 | 119                | May-July        | 46                 | 36        |
| Rockport Reservoir Inflow (4)       | 98                 | 100                | May-July        | - -                | 98        |
| Weber nr Coalville (5)              | 97                 | 103                | May-July        | - -                | 94        |
| Weber nr Oakley                     | 103                | 104                | May-July        | 131                | 99        |
| <u>PROVO RIVER &amp; UTAH LAKE</u>  |                    |                    |                 |                    |           |
| American Fork nr American Fork      | 25                 | 104                | May-July        | - -                | 24        |
| Hobble Crk. Nr Springville          | 11.0               | 109                | May-July        | 22                 | 10.1      |
| Provo nr Hailstone (6)              | 94                 | 115                | May-July        | - -                | 82        |
| Provo below Deer Crk. Dam (7)       | 99                 | 114                | May-July        | - -                | 87        |
| Spanish Fork at Thistle             | 25                 | 119                | May-July        | 46                 | 21        |
| Strawberry Reservoir Inflow (8)     | 31                 | 100                | May-July        | - -                | 31        |
| Utah Lake Inflow                    | 145                | 107                | May-July        | 197                | 135       |
| <u>JORDAN RIVER &amp; SALT LAKE</u> |                    |                    |                 |                    |           |
| Big Cottonwood nr SLC               | 43                 | 143                | May-July        | 39                 | 30        |
| Farmington Crk nr Farmington        | 7.0                | 125                | May-July        | 8.1                | 5.6       |
| Little Cottonwood Crk nr SLC        | 38                 | 123                | May-July        | 46                 | 31        |
| Parley's Crk nr SLC                 | 11.4               | 158                | May-July        | 11.4               | 7.2       |
| FOOTNOTES - See last page           |                    |                    |                 |                    |           |

# STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS                   | THIS YEAR          |                    |                 | PAST RECORD        |           |
|--|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN STREAM and/or FORECAST POINT     | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|  | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <u>SEVIER RIVER</u>                    |                    |                    |                 |                    |           |
| Chalk Creek nr Fillmore                | 16.0               | 154                | May-July        | 12.7               | 10.4      |
| Clear Crk nr Sevier (abv. Div.)        | 14.2               | 135                | May-July        | - -                | 10.5 b    |
| East Fork Sevier nr Kingston (9)       | 4.5                | 70                 | May-July        | 21                 | 6.4       |
| Antimony Crk nr Antimony               | 3.5                | 59                 | May-July        | 4.1                | 5.9 b     |
| Inflow                                 |                    |                    |                 |                    |           |
| Kingston to Vermillion Dam             | 32                 | 107                | Apr-June        | 50                 | 30 b      |
| Vermillion Dam to Gunnison             | 27                 | 104                | May-June        | 37                 | 26        |
| Salina Crk at Salina (10)              | 12.0               | 240                | May-June        | - -                | 5.0*      |
| Sevier nr Circleville                  | 19                 | 95                 | May-July        | 80                 | 20        |
| Sevier nr Gunnison                     | 33                 | 151                | May-July        | 83                 | 21.9      |
| Sevier at Hatch                        | 24                 | 89                 | May-July        | 92                 | 27        |
| Sevier nr Kingston                     | 9.5                | 89                 | May-July        | 62                 | 10.7      |
| Sevier below Piute Dam (11)            | 11.5               | 79                 | May-July        | - -                | 14.5      |
| <u>SAN PITCH RIVER</u>                 |                    |                    |                 |                    |           |
| Ephraim Creek nr Ephraim               | 17.3               | 131                | May-July        | - -                | 13.2 b    |
| Pleasant Crk. nr Mt. pleasant          | 8.0                | 118                | May-July        | 8.9                | 6.8 b     |
| <u>BEAVER RIVER</u>                    |                    |                    |                 |                    |           |
| Beaver nr Beaver                       | 20                 | 121                | May-July        | 32                 | 16.5      |
| Rockyford Reservoir Inflow (12)        | 4.5                | 105                | May-June        | - -                | 4.3       |
| <u>COAL CREEK</u>                      |                    |                    |                 |                    |           |
| Coal Crk nr Cedar City                 | 13.0               | 119                | May-July        | 31                 | 10.9      |
| <u>COLORADO RIVER DRAINAGE</u>         |                    |                    |                 |                    |           |
| GREEN RIVER TRIBUTARIES IN UTAH        |                    |                    |                 |                    |           |
| <u>FLAMING GORGE TO DUCHESNE RIVER</u> |                    |                    |                 |                    |           |
| Ashley Creek nr Vernal                 | 49                 | 117                | May-July        | 56                 | 42        |
| Henry's Fork at Linwood                | 43                 | 113                | Apr-Sept        | - -                | 38        |
| FOOTNOTES - See last page              |                    |                    |                 |                    |           |

## STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS               | THIS YEAR          |                    |                 | PAST RECORD        |           |
|------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN STREAM and/or FORECAST POINT | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|                                    | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <u>DUCHESNE RIVER</u>              |                    |                    |                 |                    |           |
| Duchesne nr Tabiona (13)           | 86                 | 101                | May-July        | - -                | 85        |
| Duchesne at Duchesne (13)          | 155                | 100                | May-July        | - -                | 155       |
| Duchesne at Myton (16)             | 200                | 96                 | May-July        | - -                | 208       |
| Duchesne at Randlett (16)          | 250                | 95                 | Apr-July        | - -                | 262       |
| Strawberry at Duchesne             | 30                 | 75                 | May-July        | 82                 | 40        |
| Rock Crk nr Mtn. Home              | 85                 | 102                | May-July        | 101                | 83        |
| Lakefork below Moon Lake (14)      | 55                 | 88                 | May-July        | - -                | 63        |
| Yellowstone nr Altonah             | 50                 | 89                 | May-July        | 76                 | 56        |
| Uinta nr Neola                     | 63                 | 84                 | May-July        | 106                | 75        |
| Whiterocks nr Whiterocks           | 40                 | 83                 | May-July        | 69                 | 48        |
| <u>PRICE RIVER</u>                 |                    |                    |                 |                    |           |
| Gooseberry Crk. nr Scofield        | 10.2               | 112                | May-July        | 15.6               | 9.1       |
| Price nr Hiener (15)               | 43                 | 100                | May-July        | - -                | 43        |
| Scofield Reservoir Inflow (15)     | 30                 | 111                | May-July        | - -                | 27        |
| <u>SAN RAFAEL RIVER</u>            |                    |                    |                 |                    |           |
| Cottonwood Crk nr Orangeville      | 55                 | 134                | May-July        | - -                | 41        |
| Ferron Crk nr Ferron               | 40                 | 129                | May-July        | 48                 | 31        |
| Huntington Crk nr Huntington       | 42                 | 110                | May-July        | - -                | 38        |
| <u>MUDDY RIVER</u>                 |                    |                    |                 |                    |           |
| Muddy Creek nr Emery               | 27                 | 186                | May-July        | 24                 | 14.5      |
| <u>VIRGIN RIVER</u>                |                    |                    |                 |                    |           |
| Virgin nr Virgin                   | 15.0               | 68                 | May-June        | 80                 | 22        |
| <u>UPPER COLORADO BASIN</u>        |                    |                    |                 |                    |           |
| Colorado nr Cisco, Utah (15)       | 4090               | 146                | Apr-July        | 3653               | 2802      |
| Flaming Gorge Inflow (3)           | 1125               | 107                | Apr-July        | 1061               | 1054      |
| Lake Powell Inflow (3)             | 8240               | 126                | Apr-July        | 7247               | 6527      |
| Green at Green River, Utah (15)    | 3265               | 127                | Apr-July        | 1796               | 2574      |
| San Juan nr Bluff, Utah (15)       | 650                | 73                 | Apr-July        | 923                | 890       |
| Navajo Reservoir Inflow            | 420                | 68                 | Apr-July        | 591                | 619       |
| FOOTNOTES - See last page          |                    |                    |                 |                    |           |

**PEAK FLOWS** (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

| FORECAST POINT  | PEAK FLOW (SECOND FEET) |           |
|---|-------------------------|-----------|
|   | Forecast Range          | Average † |
| <u>NORTHERN UTAH</u>  |                         |           |
| Big Creek near Randolph   | 19 - 59                 | 43        |
| Big Cottonwood Creek near SLC   | 425 - 500               | 310       |
| Hobble Creek near Springville   | 100 - 315               | 180       |
| Spanish Fork near Thistle   | 175 - 660               | 307       |
| So. Fork Ogden River nr Huntsville  | 450 - 700               | 643       |
| <u>EASTERN UTAH</u>   |                         |           |
| Ferron Creek near Ferron  | 420 - 730               | 414       |
| Muddy Creek near Emery  | 180 - 310               | 142       |
| Strawberry River at Duchesne  | 230 - 1000              | 558       |
| <u>SOUTHERN and CENTRAL UTAH</u>  |                         |           |
| Beaver River near Beaver  | 140 - 400               | 215       |
| Clear Creek near Sevier   | 150 - 180               | 156b      |
| Coal Creek near Cedar City  | 210 - 480               | 217       |
| Salina Creek near Salina  | 240 - 280               | 133*      |
| Sevier River at Hatch   | 55 - 300                | 370       |
| Sevier River at Circleville   | 150 - 360               | 292       |
| Sevier River at Kingston  | 150 - 250               | 223       |
| Virgin River nr Virgin  | 215 - 700               | 557       |
| *Highly abnormal weather during the critical melting period may cause the peak to be outside the indicated range. |                         |           |

## FORECAST DATE of LOW FLOW VALUES

| FORECAST POINT                       | Low Flow Value<br>Second/Ft. | Forecast Date<br>Stream Will Recede<br>to Low Flow Value | Average Date<br>of Low Flow<br>Value |
|--------------------------------------|------------------------------|--|--------------------------------------|
| Clear Creek nr Sevier (above Div.)   | 5                            | July 20  | July 19                              |
| Salina Creek at Salina               | 25                           | June 17  | June 10                              |
| Sevier at Circleville(Circle Valley) | 90                           | June 7   | June 24                              |
| Sevier at Hatch (upper)              | 100                          | June 15  | July 10                              |

WSFB-X10-L

## PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

| RIVER SECTION        | Percent Forecast<br>For This Year | Average Percent Delivered<br>During 15 year Period† | Forecast Period |
|----------------------|-----------------------------------|---|-----------------|
| <u>Sevier River</u>  |                                   |   |                 |
| Below Vermillion Dam | 60                                | 58  | Apr-Sept        |
| Circle Valley        | 63                                | 66  | Apr-Sept        |
| Panguitch Valley     | 83                                | 84  | Apr-Sept        |
| Sevier Valley        | 44                                | 40  | Apr-Sept        |

## OTHER SPECIAL FORECASTS

Below Vermillion - Very little flow above 360 second feet is expected this year, possibly 500 - 1000 a.f. if Salina Creek flow holds up as expected.

Inflow to Sevier Bridge reservoir from October 1 to March 31, was about 132,000 acre feet. The reservoir filled March 16 for the first time since 1953.

# SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED                   |   | Number of<br>Courses<br>Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF: |         |
|--|---|----------------------------------|---------------------------------------|---------|
|  |   |                                  | Last Year                             | Average |
| <u>BEAR RIVER</u>                                  |   |                                  |                                       |         |
| Bear River So. of Evanston, Wyo.                   | 4 | 151                              | 165                                   |         |
| Blacksmith Fork - Little Bear River                | 5 | 107                              | 140                                   |         |
| Cub River (Idaho)                                  | - | - -                              | - -                                   |         |
| Emigration Creek (Idaho)                           | 1 | 114                              | 130                                   |         |
| Logan River  | 5 | 143                              | 132                                   |         |
| Malad River  | - | - -                              | - -                                   |         |
| Smith's Fork of Bear River (Wyo.)                  | 5 | 122                              | 123                                   |         |
| Strawberry-Mink Creeks                             | 3 | 146                              | 146                                   |         |
| <u>WEBER-OGDEN RIVERS</u>                          |   |                                  |                                       |         |
| Chalk Creek Above Coalville                        | 3 | 110                              | 118                                   |         |
| East Canyon Creek                                  | 2 | 103                              | 138                                   |         |
| Farmington Creek                                   | 2 | 101                              | 135                                   |         |
| Ogden River  | 5 | 93                               | 129                                   |         |
| Weber River above Coalville                        | 8 | 104                              | 137                                   |         |
| <u>UTAH LAKE, JORDAN RIVER &amp; TOOELE VALLEY</u> |   |                                  |                                       |         |
| American Fork River                                | 3 | 65                               | 129                                   |         |
| Hobble Creek                                       | 2 | 160                              | 208                                   |         |
| Mt. Nebo Area                                      | 2 | 195                              | 191                                   |         |
| Provo River above Deer Creek Dam                   | 6 | 84                               | 119                                   |         |
| Salt Lake Area                                     | 3 | 118                              | 150                                   |         |
| Spanish Fork River                                 | 5 | 133                              | 170                                   |         |
| Strawberry Reservoir Valley                        | 2 | 100                              | 101                                   |         |
| Tooele Area  | 3 | 82                               | 153                                   |         |
| <u>SEVIER RIVER</u>                                |   |                                  |                                       |         |
| Beaver River                                       | 3 | 73                               | 139                                   |         |
| Chalk Creek near Fillmore                          | 2 | 113                              | 214                                   |         |
| Chicken Creek near Levan                           | - | - -                              | - -                                   |         |
| Clear Creek above Sevier                           | 1 | 110                              | 170                                   |         |
| East Fork Sevier River                             | 5 | 84                               | 140                                   |         |
| Ephraim Creek                                      | 2 | 109                              | 128                                   |         |
| Manti Creek  | - | - -                              | - -                                   |         |
| Mt. Pleasant Area                                  | 2 | 98                               | 134                                   |         |
| Salina Creek                                       | 2 | 129                              | 168                                   |         |
| Sevier River above Panguitch                       | 5 | 36                               | 91                                    |         |
| Twelve Mile Creek near Mayfield                    | 2 | 98                               | 133                                   |         |

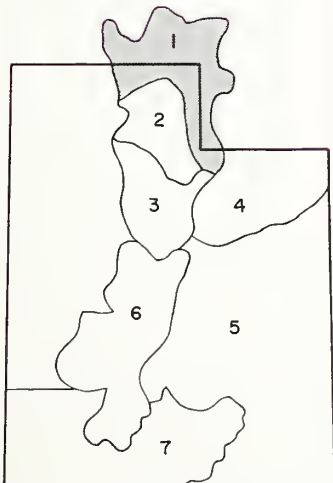
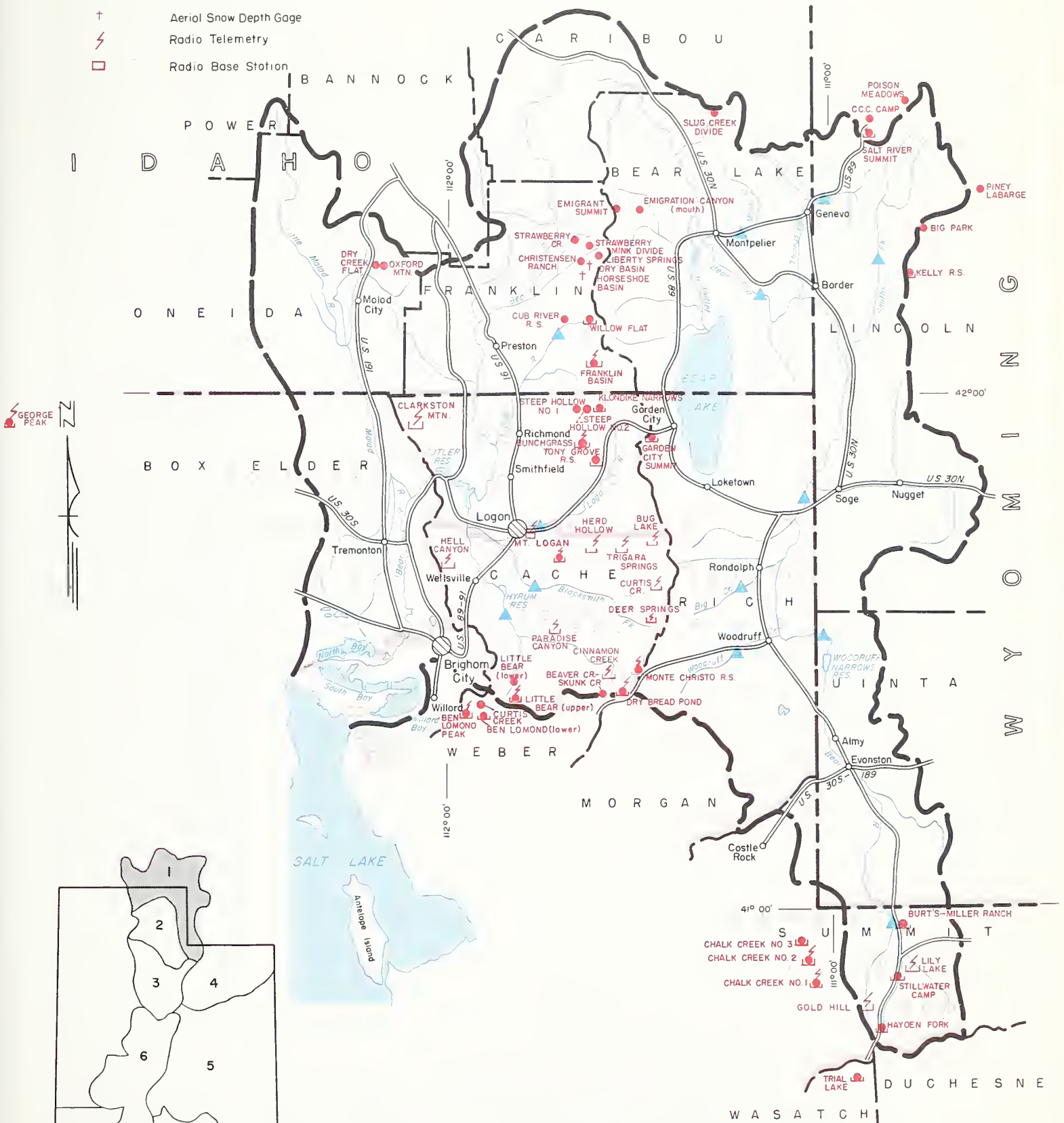
**SUMMARY of SNOW MEASUREMENTS** (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED                           | Number of Courses Averaged | THIS YEAR'S SNOW WATER AS PERCENT OF: |         |
|--|----------------------------|---------------------------------------|---------|
|  |                            | Last Year                             | Average |
| <u>UINTAH BASIN &amp; NORTH SLOPE UINTAH MOUNTAIN</u>      |                            |                                       |         |
| Ashley-Brush Creeks  | 4                          | 67                                    | 122     |
| Black's Fork & Smith's Fork Rivers                         | 4                          | 151                                   | 121     |
| Duchesne River above Tabiona                               | 3                          | 99                                    | 121     |
| Henry's Fork River & Sheep Creek                           | 2                          | 123                                   | 112     |
| Lakefork River   | 2                          | 59                                    | 93      |
| Strawberry River   | 4                          | 104                                   | 133     |
| Uintah-Whiterocks Rivers                                   | 3                          | 49                                    | 90      |
| <u>CARBON, EMERY, WAYNE, GRAND &amp; SAN JUAN COUNTIES</u> |                            |                                       |         |
| Blue Mountains near Monticello                             | 2                          | 82                                    | 240     |
| Fremont River  | 4                          | 120                                   | 182     |
| LaSal Mountains near Noab                                  | 2                          | 298                                   | 301     |
| Muddy River  | -                          | - -                                   | - -     |
| Price River  | 6                          | 112                                   | 152     |
| San Rafael River   | 8                          | 109                                   | 143     |
| <u>EAST GARFIELD, KANE, WASHINGTON &amp; IRON COUNTIES</u> |                            |                                       |         |
| Coal Creek near Cedar City                                 | 3                          | 42                                    | 107     |
| Escalante River  | 3                          | 79                                    | 114     |
| New Harmony to Newcastle                                   | -                          | - -                                   | - -     |
| Paria River  | -                          | ---                                   | - -     |
| Parowan Creek  | 3                          | 63                                    | 113     |
| Virgin River   | 4                          | 34                                    | 98      |

# LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌ S.C.S. Storage Gage
- └ W.B. Storage Gage
- + Aerial Snow Depth Gage
- ⚡ Radio Telemetry
- Radio Base Station

# BEAR RIVER BASIN



WATERSHED LOCATION

# INDEX

| NO.                                   | STATE | NAME                 | SE C. | TWP. | RGE. | ELEV.  |
|---------------------------------------|-------|----------------------|-------|------|------|--------|
| UPPER BEAR RIVER (above Harer, Idaho) |       |                      |       |      |      |        |
| 10G11                                 | W     | Big Park             | 7     | 27N  | 117W | 8,700  |
| 10J6                                  | U     | Burts-Miller Ranch   | 19    | 3N   | 10E  | 7,900  |
| 10G7                                  | W     | CCC Camp x           | 9     | 29N  | 118W | 7,500  |
| 10J36p                                | U     | Gold Hill            | 11    | 1N   | 9E   | 10,000 |
| 10J7                                  | U     | Hayden Fork          | 25    | 1N   | 9E   | 9,400  |
| 10G12                                 | W     | Kelly Ranger Station | 13    | 26N  | 118W | 8,200  |
| 10J35p                                | U     | Lily Lake            | 34    | 2N   | 10E  | 9,300  |
| 11H12P                                | U     | Monte Cristo R.S.    | 4     | 8N   | 4E   | 8,960  |
| 10G10                                 | W     | Piney LaBarge x      | 19    | 29N  | 114W | 8,820  |
| 10G6                                  | W     | Poison Meadows x     | 29    | 30N  | 116W | 8,500  |
| 10G8P                                 | W     | Salt River Summit x  | 32    | 29N  | 118W | 7,900  |
| 10J17P                                | U     | Stillwater Camp      | 32    | 2N   | 10E  | 8,550  |

## LOWER BEAR RIVER (below Harer, Idaho)

|         |   |                            |       |     |     |       |
|---------|---|----------------------------|-------|-----|-----|-------|
| 11H14M  | U | Beaver Creek-Skunk Creek x | 22    | 8N  | 3E  | 7,150 |
| 11H37p  | U | Bug Lake                   | 18    | 11N | 5E  | 7,950 |
| 11H36p  | U | Bunchgrass                 | 5     | 13N | 3E  | 8,400 |
| 11G11   | I | Christensen Ranch          | 27    | 13S | 41E | 5,600 |
| 11H38p  | U | Cinnamon Creek             | 5     | 8N  | 3E  | 7,300 |
| 12H1p   | U | Clarkston Mtn.             | 29    | 14N | 2W  | 6,300 |
| 11G12   | I | Cub River Ranger Station   | 5     | 15S | 41E | 5,400 |
| 11H33   | U | Curtis Creek               | 12    | 10N | 4E  | 8,450 |
| 11H39p  | U | Deer Springs               | 34    | 10N | 4E  | 8,400 |
| 11G14a  | I | Dry Basin                  | 30    | 13S | 42E | 7,900 |
| 11H13MP | U | Dry Bread Pond x           | 19    | 8N  | 4E  | 8,230 |
| 12G4    | I | Dry Creek Flat             | 31    | 13S | 37E | 6,350 |
| 11G6    | I | Emigrant Summit            | 21    | 12S | 42E | 7,350 |
| 11G7    | I | Emigration Canyon (mouth)  | 24    | 12S | 42E | 6,500 |
| 11G8M   | I | Franklin Basin             | 1     | 16S | 41E | 8,000 |
| 11H7MP  | U | Garden City Summit         | 34&35 | 14N | 4E  | 7,600 |
| 12H2p   | U | Hell Canyon                | 24    | 11N | 2W  | 6,400 |
| 11H40p  | U | Herd Hollow                | 4     | 11N | 3E  | 7,000 |
| 11G15a  | I | Horseshoe Basin            | 31    | 13S | 42E | 8,000 |
| 11H1MP  | U | Klondike Narrows           | 10    | 14N | 3E  | 7,400 |
| 11G13   | I | Liberty Springs            | 7     | 13S | 42E | 8,420 |
| 11H26   | U | Little Bear (lower)        | 15    | 8N  | 1E  | 6,000 |
| 11H25P  | U | Little Bear (upper)        | 22    | 8N  | 1E  | 6,550 |
| 11H6    | U | Mt. Logan                  | 3     | 11N | 2E  | 9,000 |
| 12G3    | I | Oxford Mountain            | 32    | 13S | 37E | 6,800 |
| 11H46p  | U | Paradise Canyon            | 36    | 10N | 2E  | 7,650 |
| 11G5    | I | Slug Creek Divide          | 15    | 10S | 44E | 7,225 |
| 11H27   | U | Steep Hollow #1            | 7     | 14N | 3E  | 8,500 |
| 11H28   | U | Steep Hollow #2            | 9     | 14N | 3E  | 7,700 |
| 11G9    | I | Strawberry Creek           | 9     | 13S | 41E | 5,800 |
| 11G10   | I | Strawberry Mink Divide     | 14    | 13S | 41E | 6,800 |
| 11H3M   | U | Tony Grove Ranger Station  | 11    | 13N | 3E  | 6,250 |
| 11H41p  | U | Trigara Springs            | 29    | 12N | 4E  | 7,600 |
| 11G4P   | I | Willow Flat                | 2     | 15S | 41E | 6,100 |

## LEGEND

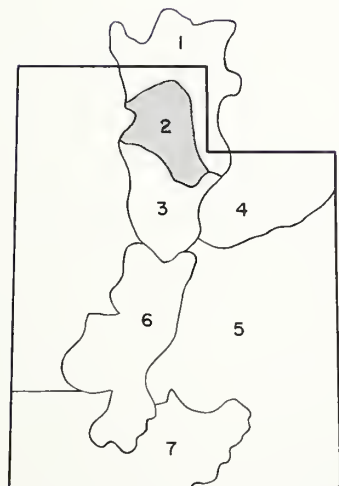
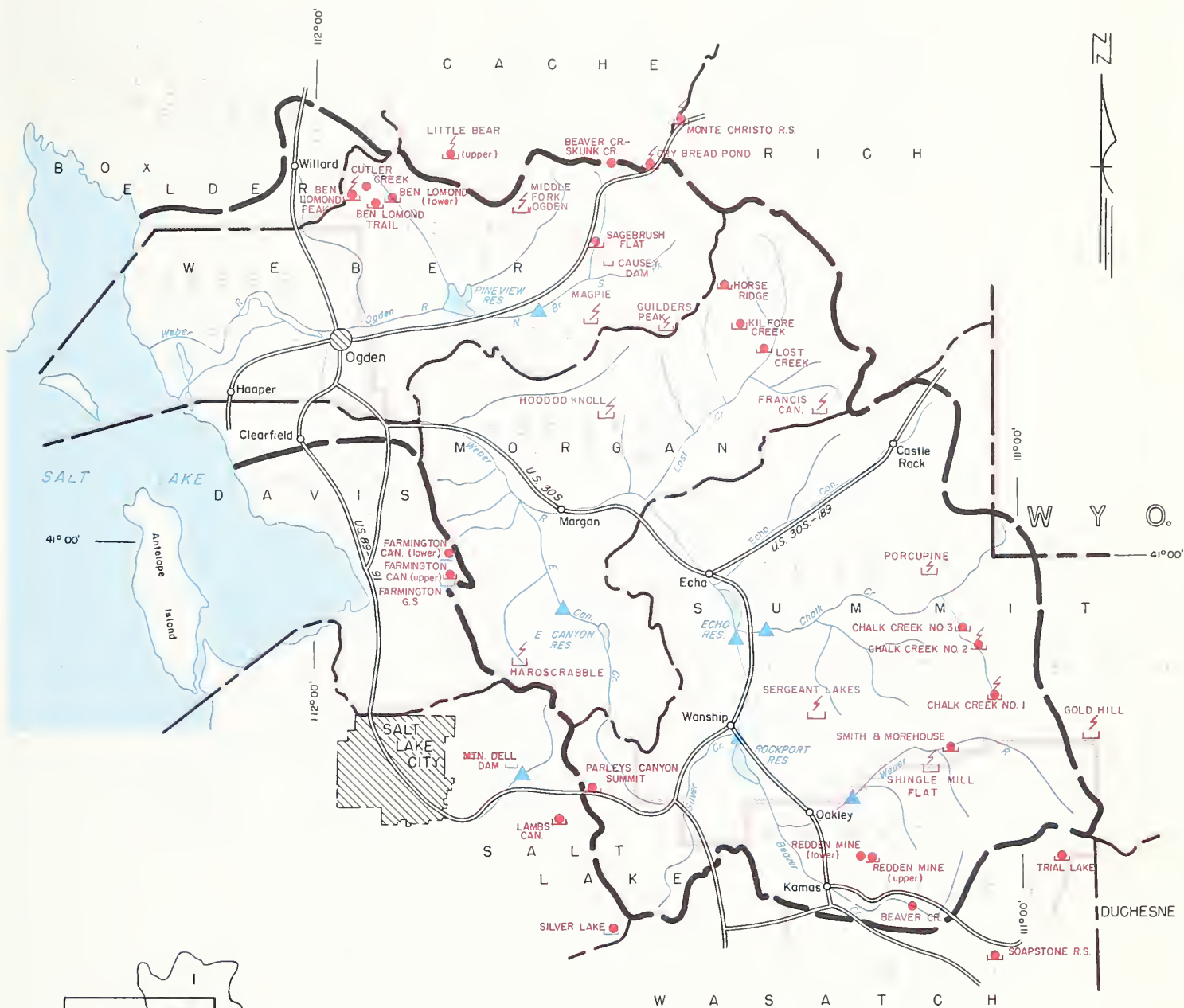
### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

FOOTNOTES - See last page



# WEBER - OGDEN WATERSHEDS



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Radio Telemetry

# INDEX

| NO.         | STATE | NAME                     | SEC. | TWP. | RGE. | ELEV. |
|-------------|-------|--------------------------|------|------|------|-------|
| OGDEN RIVER |       |                          |      |      |      |       |
| 11H14M      | U     | Beaver Creek-Skunk Creek | 22   | 8N   | 3E   | 7,150 |
| 11H8        | U     | Ben Lomond Peak          | 3    | 7N   | 1W   | 8,000 |
| 11H9P       | U     | Ben Lomond (lower)       | 1    | 7N   | 1W   | 6,000 |
| 11H30P      | U     | Ben Lomond Trail         | 2    | 7N   | 1W   | 6,000 |
| 11H35p      | U     | Causey Dam               | 34   | 7N   | 3E   | 5,500 |
| 11H29       | U     | Cutler Creek             | 3    | 7N   | 1W   | 6,780 |
| 11H13MP     | U     | Dry Bread Pond           | 19   | 8N   | 4E   | 8,230 |
| 11H34p      | U     | Guilder's Peak           | 21   | 6N   | 4E   | 8,050 |
| 11H42p      | U     | Maggie                   | 29   | 6N   | 3E   | 7,700 |
| 11H45p      | U     | Middle Fork Ogden        | 16   | 7N   | 2E   | 8,420 |
| 11H12P      | U     | Monte Cristo R.S. x      | 4    | 8N   | 4E   | 8,960 |
| 11H15P      | U     | Sagebrush Flat           | 21   | 7N   | 3E   | 6,300 |

|             |   |                             |         |    |    |       |
|-------------|---|-----------------------------|---------|----|----|-------|
| WEBER RIVER |   |                             |         |    |    |       |
| 11J24       | U | Beaver Creek R.S.           | 28      | 2S | 7E | 7,500 |
| 11J1        | U | Chalk Creek #1              | 4       | 1N | 8E | 9,100 |
| 11J2MP      | U | Chalk Creek #2              | 17 & 20 | 2N | 8E | 7,900 |
| 11J3M       | U | Chalk Creek #3              | 7       | 2N | 8E | 7,500 |
| 11J12P      | U | Farmington Canyon (lower) x | 14      | 3N | 1E | 6,950 |
| 11J11       | U | Farmington Canyon (upper) x | 26      | 3N | 1E | 8,000 |
| 11H44p      | U | Francis Canyon              | 29      | 5N | 6E | 7,400 |
| 11J37p      | U | Hardscrabble                | 16      | 2N | 2E | 6,500 |
| 11H43p      | U | Hoodoo Knoll                | 22      | 5N | 3E | 8,350 |
| 11H21P      | U | Horse Ridge                 | 1       | 6N | 4E | 8,260 |
| 11H31P      | U | Kilfore Creek               | 20      | 6N | 5E | 7,300 |
| 11J14       | U | Lamb's Canyon x             | 19      | 1S | 3E | 6,600 |
| 11H32P      | U | Lost Creek                  | 27      | 6N | 5E | 6,125 |
| 11J15P      | U | Parley's Canyon Summit      | 5       | 1S | 3E | 7,500 |
| 11J38p      | U | Porcupine                   | 22      | 3N | 7E | 8,100 |
| 11J6        | U | Reddon Mine (lower)         | 1       | 2S | 6E | 8,500 |
| 11J5        | U | Reddon Mine (upper)         | 1       | 2S | 6E | 9,000 |
| 11J39p      | U | Sergeant Lakes              | 17      | 1N | 5E | 8,400 |
| 11J40p      | U | Shingle Mill Flat           | 15      | 1S | 7E | 9,900 |
| 11J16P      | U | Silver Lake (Brighton) x    | 35      | 2S | 3E | 8,725 |
| 11J4P       | U | Smith & Morehouse           | 25      | 1N | 7E | 7,600 |
| 10J8P       | U | Trial Lake x                | 5       | 2S | 9E | 9,800 |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

## WEBER-OGDEN WATERSHEDS

## SNOW

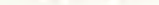
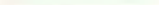





| DRAINAGE BASIN and/or SNOW COURSE |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| NAME                              | Elevation | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
|                                   |           |                |                     |                        | Last Year              | Average † |
| <u>OGDEN RIVER</u>                |           |                |                     |                        |                        |           |
| Beaver Crk-Skunk Crk              | 7150      | 4/28           | 24                  | 9.4                    | 9.0                    | 3.3       |
| Ben Lomond (lower)                | 6000      | 4/27           | 28                  | 9.9                    | 6.0                    | 3.7b      |
| Ben Lomond Peak                   | 8000      | 4/27           | 90                  | 35.3                   | 43.8                   | 30.6      |
| Ben Lomond Trail                  | 6000      | 4/27           | 26                  | 8.8                    | 6.0                    | 5.3b      |
| Cutler Creek                      | 6780      | 4/27           | 64                  | 23.7                   | 30.5                   | 23.8b     |
| Dry Bread Pond                    | 8230      | 4/28           | 51                  | 19.6                   | 22.0                   | 13.9      |
| Monte Cristo R.S.                 | 8960      | 4/28           | 72                  | 26.2                   | 26.9                   | 24.6      |
| Sagebrush Flat                    | 6300      | 4/28           | 2                   | 0.4*                   | 0.0                    | 0.0b      |
| <u>WEBER RIVER</u>                |           |                |                     |                        |                        |           |
| Beaver Creek R.S.                 | 7500      | 4/30           | 17                  | 4.4                    | 0.0                    | 1.1       |
| Chalk Creek #1                    | 9100      | 4/27           | 67                  | 23.0                   | 26.3                   | 23.2      |
| Chalk Creek #2                    | 7900      | 4/27           | 47                  | 14.8                   | 13.1                   | 11.8      |
| Chalk Creek #3                    | 7500      | 4/27           | 19                  | 5.6                    | 0.0                    | 1.9*      |
| Farmington Canyon (lower)         | 6950      | 4/30           | 81                  | 24.4                   | 23.8                   | 17.8      |
| Farmington Canyon (upper)         | 8000      | 4/30           | 110                 | 36.2                   | 36.2                   | 27.1b     |
| Lamb's Canyon x                   | 6600      | 4/29           | 56                  | 18.9                   | 7.5                    | 6.3       |
| Parley's Canyon Smt.              | 7500      | 4/29           | 57                  | 19.0                   | 10.3                   | 10.4      |
| Redden Mine (lower)               | 8500      | 4/28           | 60                  | 16.8                   | 21.8                   | 14.9*     |
| Redden Mine (upper)               | 9000      | 4/28           | 63                  | 19.6                   | 24.8                   | 17.0      |
| Silver Lake x                     | 8725      | 4/30           | 84                  | 28.7                   | 36.2                   | 24.2      |
| Smith & Morehouse                 | 7600      | 4/29           | 43                  | 12.8                   | 9.2                    | 5.8       |
| Trial Lake x                      | 9800      | 4/30           | 84                  | 26.6                   | 31.6                   | 27.3      |
| Horse Ridge                       | 8260      | 4/26           | 61                  | 22.5                   | - -                    | 20.2      |
| Kilfore Creek                     | 7300      | 4/26           | 37                  | 12.5                   | - -                    | 9.7 b     |
| FOOTNOTES - See last page         |           |                |                     |                        |                        |           |

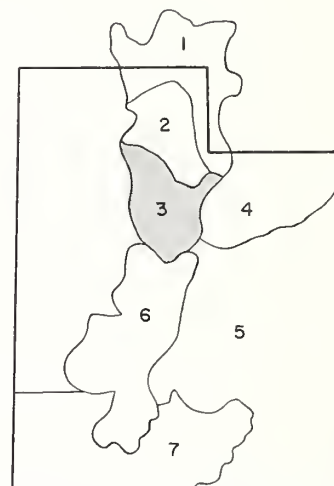


# UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS

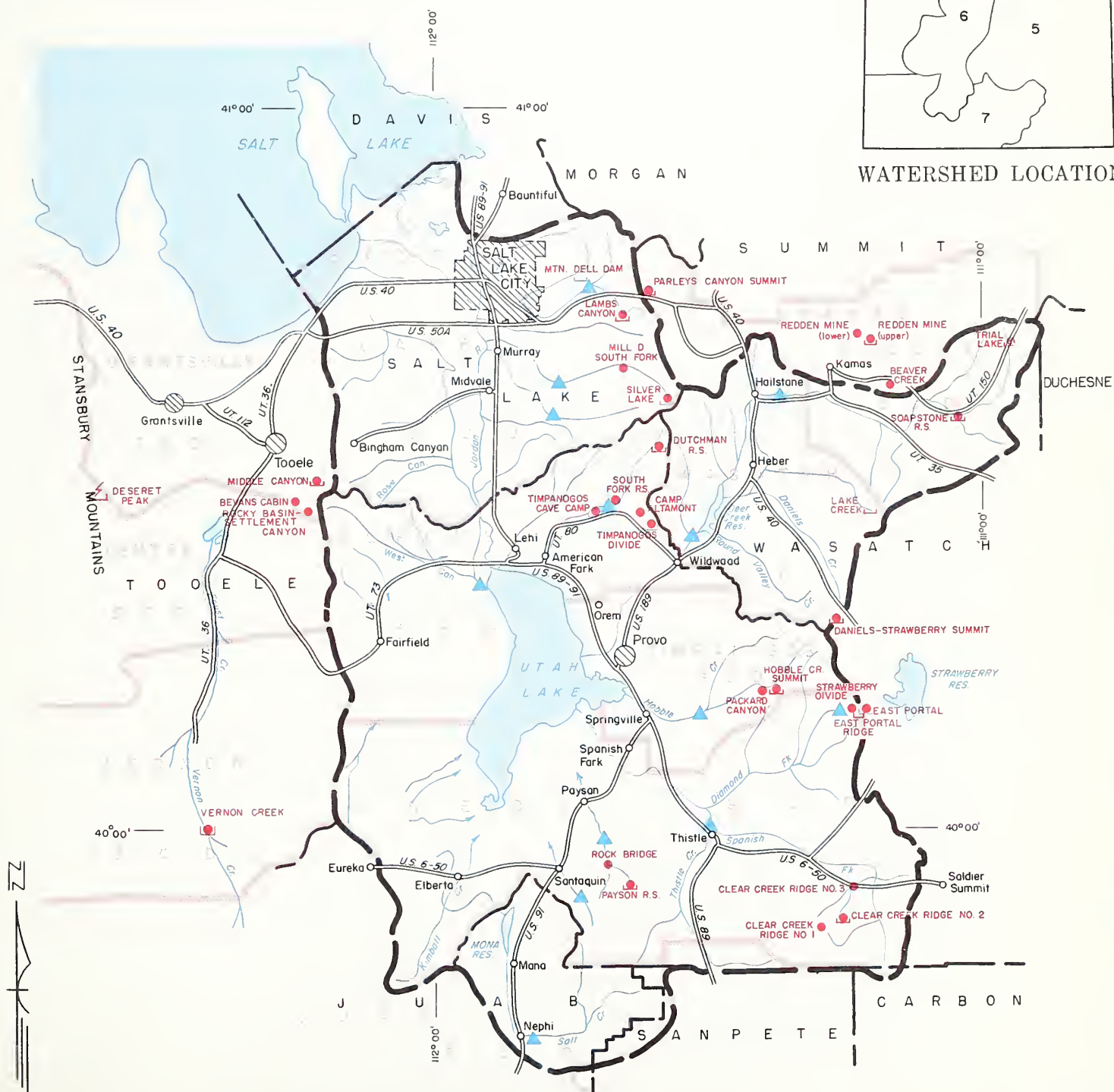


## LEGEND

-  Watershed Boundary
-  Soil Conservation District Bdry.
-  County Boundary
-  Forecast Point
-  Snow Course
-  S.C.S. Storage Gage
-  W.B. Storage Gage



WATERSHED LOCATION



# INDEX

| NO.                     | STATE | NAME                      | SEC.    | TWP. | RGE. | ELEV. |
|-------------------------|-------|---------------------------|---------|------|------|-------|
| PROVO RIVER & UTAH LAKE |       |                           |         |      |      |       |
| 11J20                   | U     | Camp Altamont             | 29      | 4S   | 3E   | 7,300 |
| 11K21                   | U     | Clear Creek Ridge #1      | 18      | 11S  | 6E   | 9,200 |
| 11K22P                  | U     | Clear Creek Ridge #2      | 9       | 11S  | 6E   | 8,000 |
| 11K23                   | U     | Clear Creek Ridge #3      | 27      | 10S  | 6E   | 6,600 |
| 11J23MP                 | U     | Daniels-Strawberry Summit | 20      | 2S   | 12W  | 8,000 |
| 11J17P                  | U     | Dutchman R.S.             | 27      | 3S   | 3E   | 7,560 |
| 11J7P                   | U     | East Portal               | 36      | 7S   | 6E   | 7,560 |
| 11J22P                  | U     | Hobble Creek Summit       | 27      | 7S   | 5E   | 7,420 |
| 11J36P                  | U     | Lake Creek                | 36      | 4S   | 6E   | 9,100 |
| 11J31                   | U     | Packard Canyon            | 21      | 7S   | 5E   | 6,400 |
| 11K1P                   | U     | Payson R.S.               | 30      | 10S  | 3E   | 8,050 |
| 11K2                    | U     | Rock Bridge               | 14      | 10S  | 2E   | 6,750 |
| 11J25P                  | U     | Soapstone R.S.            | 9       | 3S   | 8E   | 7,800 |
| 11J19                   | U     | South Fork R.S.           | 24      | 4S   | 2E   | 6,100 |
| 11J8                    | U     | Strawberry Divide         | 34 & 35 | 7S   | 6E   | 8,000 |
| 11J18                   | U     | Timpanogos Cave Camp      | 27      | 4S   | 2E   | 5,500 |
| 11J21P                  | U     | Timpanogos Divide         | 33      | 4S   | 3E   | 8,140 |
| 10J8P                   | U     | Trial Lake                | 5       | 2S   | 9E   | 9,800 |

## JORDAN RIVER & GREAT SALT LAKE

|        |   |                               |    |     |    |       |
|--------|---|-------------------------------|----|-----|----|-------|
| 12J2   | U | Bevan's Cabin                 | 24 | 4S  | 4W | 6,450 |
| 12J5p  | U | Deseret Peak                  | 15 | 4S  | 7W | 9,250 |
| 11J12P | U | Farmington Canyon (lower)     | 14 | 3N  | 1E | 6,950 |
| 11J11  | U | Farmington Canyon (upper)     | 26 | 3N  | 1E | 8,000 |
| 11J41P | U | Lamb's Canyon #2              | 21 | 1S  | 3E | 7,400 |
| 12J3P  | U | Middle Canyon                 | 8  | 4S  | 3W | 7,000 |
| 11J10  | U | Mill D South Fork             | 18 | 2S  | 3E | 7,400 |
| 11J15P | U | Parley's Canyon Summit x      | 5  | 1S  | 3E | 7,500 |
| 12J1   | U | Rocky Basin-Settlement Canyon | 30 | 4S  | 3W | 8,900 |
| 11J16P | U | Silver Lake (Brighton)        | 35 | 2S  | 3E | 8,725 |
| 12K2P  | U | Vernon Creek                  | 21 | 10S | 5W | 7,500 |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

## UTAH LAKE, JORDAN RIVER &amp; TOGELE WATERSHEDS

## SNOW

| SNOW                                    |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|---|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE       |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                                    | Elevation |                |                     |                        | Last Year              | Average † |
| <u>UTAH LAKE</u>                        |           |                |                     |                        |                        |           |
| Beaver Creek R.S.                       | 7500      | 4/30           | 17                  | 4.4                    | 0.0                    | 1.1       |
| Camp Altamont                           | 7300      | 4/30           | 22                  | 6.8                    | 14.0                   | 4.9       |
| Clear Creek Ridge #1                    | 9200      | 4/28           | 59                  | 20.2                   | 21.2                   | 15.2b     |
| Clear Creek Ridge #2                    | 8000      | 4/28           | 42                  | 13.6                   | 12.4                   | 7.4b      |
| Clear Creek Ridge #3                    | 6600      | 4/28           | 6                   | 1.5                    | 0.0                    | 0.1b      |
| Daniels Strawberry Smt.                 | 8000      | 4/29           | 27                  | 9.6                    | 13.5                   | 6.5       |
| Dutchman R.S.                           | 7560      | 4/30           | 43                  | 14.6                   | 14.0                   | 8.1b      |
| East Portal                             | 7560      | 4/29           | 21                  | 7.1                    | 3.2                    | 10.1b     |
| Hobble Creek Summit                     | 7420      | 4/29           | 31                  | 10.4                   | 7.7                    | 5.1b      |
| Packard Canyon                          | 6400      | 4/29           | 8                   | 1.9                    | 0.0                    | 0.8b      |
| Payson R.S.                             | 8050      | 4/27           | 47                  | 19.3                   | 14.8                   | 11.7b     |
| Rock Bridge                             | 6750      | 4/27           | 26                  | 9.6                    | 0.0                    | 3.4b      |
| Soapstone R.S.                          | 7800      | 4/30           | 34                  | 11.7                   | 3.4                    | 5.7       |
| Strawberry Divide                       | 8000      | 4/29           | 57                  | 19.0                   | 18.2                   | - -       |
| Timpanogos Divide                       | 8140      | 4/30           | 50                  | 19.2                   | 34.4                   | 18.4      |
| Trial Lake                              | 9800      | 4/30           | 84                  | 26.6                   | 31.6                   | 27.3      |
| <u>JORDAN RIVER &amp; TOOELE VALLEY</u> |           |                |                     |                        |                        |           |
| Bevan's Cabin                           | 6450      | 4/28           | 29                  | 7.6                    | 7.2                    | 1.7b      |
| Lamb's Canyon                           | 6600      | 4/29           | 56                  | 18.9                   | 7.5                    | 6.3       |
| Middle Canyon - Tooele                  | 7000      | 4/30           | 40                  | 13.6                   | 12.8                   | 6.0b      |
| Mill D South Fork                       | 7400      | 4/29           | 64                  | 22.1                   | 12.6                   | 11.9      |
| Parley's Canyon Smt. x                  | 7500      | 4/29           | 57                  | 19.0                   | 10.3                   | 10.4      |
| Rocky Basin-Sttlmt. Canyon              | 8900      | 4/28           | 83                  | 27.6                   | 39.3                   | 24.2b     |
| Silver Lake                             | 8725      | 4/30           | 84                  | 28.7                   | 36.2                   | 24.2      |
| Vernon Creek                            | 7500      | 4/29           | 9                   | 2.6                    | 7.0                    | - -       |

FOOTNOTES - See last page

| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT. 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|-----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Average † | This Year                   | Average † | Percent of<br>Average |
| <u>UTAH LAKE</u>                                  |           |                     |                          |           |                             |           |                       |
| Clear Creek Ridge #2                              | 8000      | 4/28                | 3.85                     | 2.97b     | 19.40                       | 17.29*    | 112                   |
| Daniels-Strawberry Smt.                           | 8000      | 4/29                | 3.53                     | 2.72*     | 18.86                       | 19.83*    | 95                    |
| Dutchman R.S.                                     | 7560      | 4/30                | 3.65                     | 3.91b     | 16.03                       | 23.17b    | 69                    |
| East Portal Ridge                                 | 7800      | 4/29                | 3.44                     | 3.63      | 18.67                       | 20.53*    | 91                    |
| Hobble Creek Smt.                                 | 7420      | 4/29                | 4.00                     | - -       | 19.25                       | - -       | - -                   |
| Payson R.S.                                       | 8050      | 4/27                | 3.15                     | 3.59b     | 21.15                       | 20.56     | 103                   |
| Soapstone R.S.                                    | 7800      | 4/30                | 3.45                     | 2.94*     | 19.83                       | 17.61*    | 113                   |
| Timpanogos Divide                                 | 8200      | 4/30                | 3.60                     | 3.69      | 19.32                       | 27.47     | 70                    |
| Trial Lake  | 9800      | 4/30                | 4.48                     | 3.87      | 27.15                       | 25.05*    | 108                   |
| <u>JORDAN RIVER &amp; TOOELE VALLEY</u>           |           |                     |                          |           |                             |           |                       |
| Middle Canyon                                     | 7000      | 4/30                | 3.48                     | 4.42b     | 17.69                       | 20.85*    | 85                    |
| Mt. Dell Dam                                      | 5500      | 4/30                | 3.03                     | 2.88      | 16.85                       | 14.72     | 114                   |
| Parley's Canyon Smt.                              | 7500      | 4/29                | 4.89                     | 4.71      | 26.59                       | 24.04     | 111                   |
| Silver Lake (Brighton)                            | 8725      | 4/30                | 5.84                     | 6.58      | 32.86                       | 30.73     | 107                   |
| Vernon Creek                                      | 7500      | 4/29                | 2.08                     | - -       | 15.28                       | - -       | - -                   |
| FOOTNOTES - See last page                         |           |                     |                          |           |                             |           |                       |

# UINTAH BASIN & DAGGETT S. C. D's.



# INDEX

| NO.  | STATE | NAME                         | SEC.    | TWP. | RGE | ELEV.  |
|--|-------|------------------------------|---------|------|-----|--------|
| UPPER GREEN RIVER IN UTAH (above Duchesne River) |       |                              |         |      |     |        |
| 9J11a  | U     | Ashley Twin Lakes            | 20      | 1S   | 19E | 10,500 |
| 10J21P   | U     | Black's Fork G.S. -East Fork | 25      | 2N   | 12E | 9,300  |
| 10J22P   | U     | Black's Fork Junction        | 33      | 3N   | 12E | 8,925  |
| 10J23a   | U     | Buck Pasture                 | 14      | 1N   | 11E | 9,700  |
| 10J24ap  | U     | Henry's Fork                 | 29      | 2N   | 14E | 10,000 |
| 10J4P  | U     | Hewinta G.S.                 | 33      | 3N   | 13E | 9,500  |
| 9J8P   | U     | Hickerson Park               | 24      | 2N   | 17E | 9,100  |
| 9J15p  | U     | Highline Trail               | 23      | 1N   | 19E | 10,250 |
| 10J1   | U     | Hole-in-the-Rock             | 13      | 2N   | 15E | 9,150  |
| 10J3   | U     | Hole-in-the-Rock G.S.        | 32      | 3N   | 16E | 8,300  |
| 9J2  | U     | King's Cabin (lower)         | 23 & 26 | 1S   | 21E | 8,600  |
| 9J1P   | U     | King's Cabin (upper)         | 22      | 1S   | 21E | 8,730  |
| 10J37p   | U     | McCoy Park                   | 6       | 1N   | 17E | 10,680 |
| 10J2   | U     | Middle Beaver Creek          | 31      | 3N   | 16E | 8,550  |
| 9J10a  | U     | Reynolds Park                | 9       | 1S   | 18E | 10,400 |
| 9J7P   | U     | Spirit Lake                  | 10      | 1N   | 17E | 10,300 |
| 10J20A   | U     | Steel Creek Park             | 17      | 2N   | 13E | 9,900  |
| 9J12a  | U     | Windy Park                   | 1       | 1S   | 20E | 9,400  |
| DUCHESNE RIVER                                   |       |                              |         |      |     |        |
| 10J27a   | U     | Atwood Basin                 | 21      | 1S   | 15E | 10,250 |
| 10J9   | U     | Brown Duck Lake              | 2       | 2N   | 6W  | 10,300 |
| 9J14P  | U     | Burnt Creek                  | 4       | 1N   | 20E | 7,900  |
| 9J9a   | U     | Chepeta-Whiterocks Lakes     | 3       | 1S   | 17E | 10,300 |
| 11J32MP  | U     | Currant Creek                | 31      | 1S   | 10W | 7,800  |
| 11J23MP  | U     | Daniels-Strawberry Summit x  | 20      | 2S   | 12W | 8,000  |
| 11J7P  | U     | East Portal x                | 36      | 7S   | 6E  | 7,560  |
| 10J26a   | U     | Five Point Lake              | 28      | 4N   | 5W  | 11,000 |
| 9J13P  | U     | Grizzley Ridge               | 8       | 1S   | 22E | 8,500  |
| 10K1P  | U     | Indian Canyon                | 2       | 11S  | 10E | 9,100  |
| 10J19  | U     | Jackson Park                 | 23      | 3N   | 4W  | 11,300 |
| 9J6P   | U     | Julius Park                  | 20      | 3N   | 1E  | 9,800  |
| 10J38P   | U     | Lake Basin                   | 23      | 3S   | 8W  | 10,800 |
| 10J25a   | U     | Lakefork Basin               | 13      | 4N   | 7W  | 11,100 |
| 10J10P   | U     | Lakefork Mountain            | 2 & 3   | 2N   | 5W  | 10,200 |
| 10J11  | U     | Lakefork Mountain #2         | 17      | 2N   | 4W  | 8,900  |
| 10J12  | U     | Lakefork Mountain #3         | 29      | 2N   | 4W  | 8,100  |
| 10J29p   | U     | Lightning Lake               | 24      | 4N   | 8W  | 10,950 |
| 9J5  | U     | Mosby Mountain               | 27      | 2S   | 18E | 9,500  |
| 9J3P   | U     | Paradise Park                | 7       | 3N   | 1E  | 10,100 |
| 10J18P   | U     | Rock Creek                   | 21      | 2N   | 7W  | 7,900  |
| 10J32p   | U     | Shadow Lake                  | 28      | 3N   | 8W  | 10,150 |
| 10J25P   | U     | Soapstone R.S. x             | 9       | 3S   | 8E  | 7,800  |
| 11J8   | U     | Strawberry Divide x          | 34 & 35 | 7S   | 6E  | 8,000  |
| 10J8P  | U     | Trial Lake x                 | 5       | 2S   | 9E  | 9,800  |
| 11J35P   | U     | West Fork of the Duchesne    | 22      | 1N   | 19E | 10,250 |
| 10K2MP   | U     | White River #1 x             | 11      | 10S  | 8E  | 8,550  |

## LEGEND

Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

| SNOW                                 |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|--------------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE    |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                                 | Elevation |                |                     |                        | Last Year              | Average † |
| <u>UINTAH BASIN SCD</u>              |           |                |                     |                        |                        |           |
| Currant Creek                        | 7800      | Not measured   |                     |                        | 3.6                    | 1.3b      |
| Daniels Strawberry Smt.              | 8000      | 4/29           | 27                  | 9.6                    | 13.5                   | 6.5       |
| Grizzly Ridge                        | 8500      | 4/24           | 44                  | 11.9                   | 11.0                   | - -       |
| Indian Canyon                        | 9100      | 4/24           | 36                  | 11.1                   | 14.4                   | 7.8*      |
| Julius Park                          | 9800      | 4/27           | 39                  | 11.6                   | 21.2                   | 11.8b     |
| King's Cabin (lower)                 | 8600      | 4/23           | 33                  | 9.6                    | 8.4                    | 4.7       |
| King's Cabin (upper)                 | 8730      | 4/23           | 45                  | 12.3                   | 12.3                   | 7.0       |
| Lakefork Mountain                    | 10200     | 4/28           | 39                  | 10.5                   | 16.6                   | 10.8      |
| Lakefork Mountain #2                 | 8900      | 4/28           | 12                  | 2.4                    | 5.4                    | 3.0b      |
| Lakefork Mountain #3                 | 8100      | 4/28           | 5                   | 0.5                    | 2.5                    | 0.7b      |
| Mosby Mountain                       | 9500      | 4/27           | 25                  | 6.8                    | 16.4                   | 9.0b      |
| Paradise Park                        | 10100     | 4/27           | 37                  | 10.7                   | 21.7                   | 11.6b     |
| Soapstone R.S. x                     | 7800      | 4/30           | 34                  | 11.7                   | 3.4                    | 5.7       |
| Trial Lake x                         | 9800      | 4/30           | 84                  | 26.6                   | 31.6                   | 27.3      |
| White River #1                       | 8550      | 5/4            | 37                  | 14.6                   | 9.8                    | 7.4*      |
| Rock Creek                           | 7900      | 4/30           | 4                   | 1.0                    | 0.0                    | 0.8b      |
| <u>DAGGETT SCD</u>                   |           |                |                     |                        |                        |           |
| Black's Fork Jct.                    | 8925      | 4/24           | 39                  | 11.2                   | 5.3                    | 7.9b      |
| Burnt Creek                          | 7900      | 4/24           | 42                  | 10.6                   | - -                    | - -       |
| E. Fk. Black's Fork G.S.             | 9300      | 4/23           | 43                  | 11.2                   | 7.2                    | 9.7b      |
| Hewinta Guard Station                | 9500      | 4/23           | 48                  | 12.5                   | 7.8                    | 9.9b      |
| Hickerson Park                       | 9100      | 4/24           | 34                  | 9.3                    | 3.7                    | - -       |
| Spirit Lake                          | 10300     | 4/23           | 64                  | 17.8                   | 14.2                   | 14.4b     |
| Steel Creek Park                     | 9900      | 4/23           | 69                  | 19.7                   | 15.8                   | 17.7b     |
| <u>UINTAH BASIN - Aerial Markers</u> |           |                |                     |                        |                        |           |
| Ashley Twin Lakes A                  | 10500     | 5/1            | 72                  | 20.9                   | 19.4                   | - -       |
| Atwood Basin A                       | 10250     | 5/1            | 49                  | 13.2                   | 2.8                    | - -       |
| Buck Pasture A                       | 9700      | 5/1            | 68                  | 17.7                   | 12.2                   | - -       |
| Chepeta-Whiterocks Lakes A           | 10300     | 5/1            | 67                  | 19.4                   | 11.6                   | - -       |
| Five Point Lake A                    | 11000     | 5/1            | 60                  | 16.2                   | 21.6                   | - -       |
| Henry's Fork A                       | 10000     | 5/1            | 60                  | 15.6                   | 5.9                    | - -       |
| Lakefork Basin A                     | 11100     | 5/1            | 72                  | 19.4                   | 23.5                   | - -       |
| Reynolds Park A                      | 10400     | 5/1            | 63                  | 18.3                   | 15.5                   | - -       |
| Windy Park A                         | 9400      | 5/1            | 58                  | 15.7                   | 2.5                    | - -       |
| FOOTNOTES - See last page            |           |                |                     |                        |                        |           |

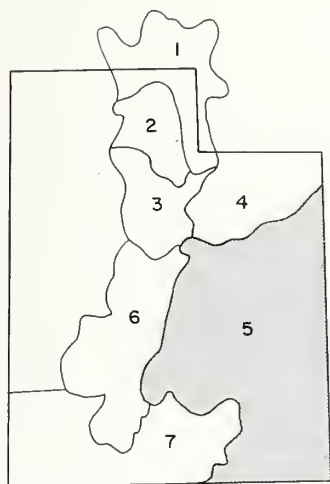
FOOTNOTES - See last page

### PRECIPITATION (Inches)

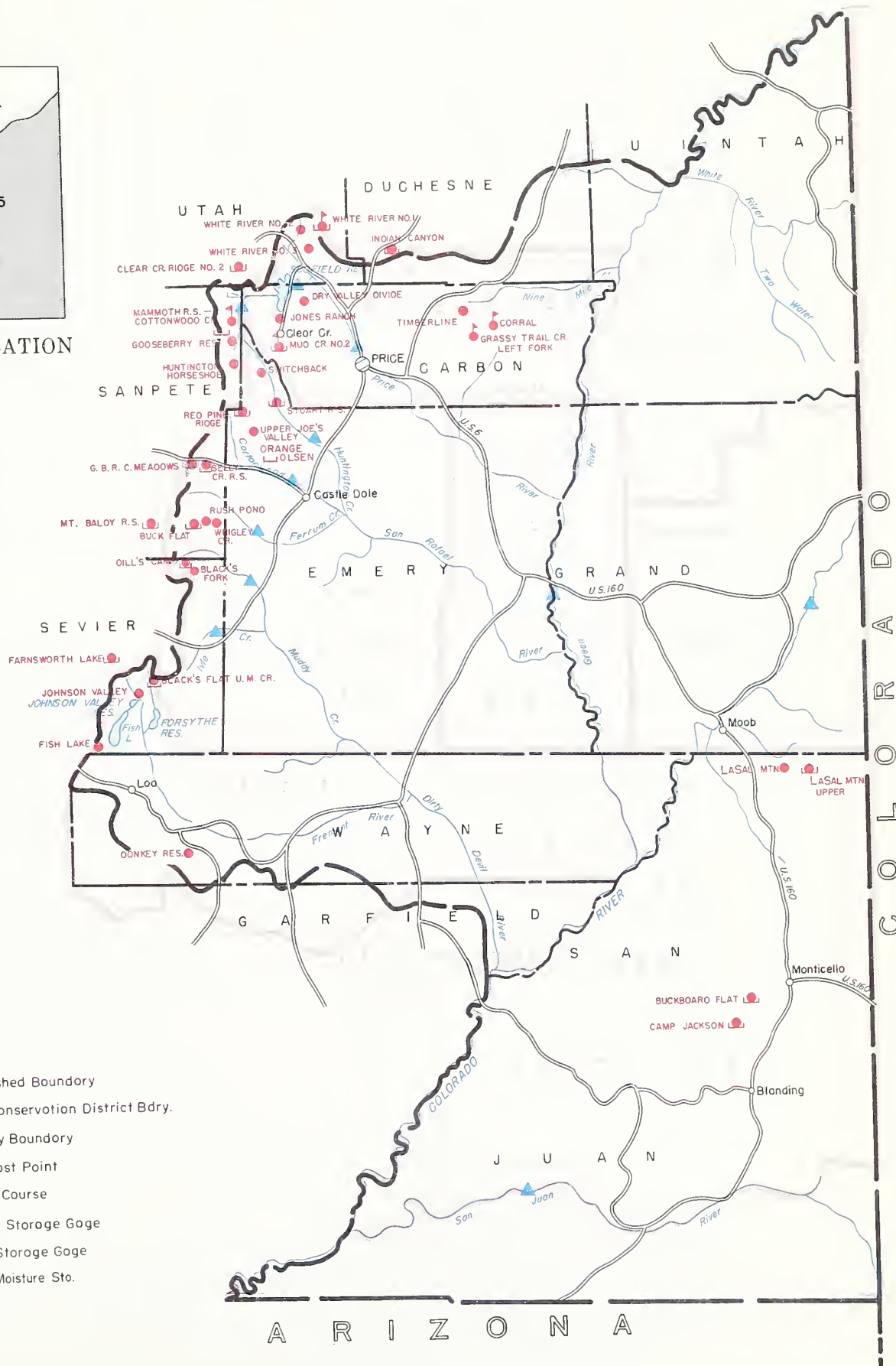
| DRAINAGE BASIN and<br>PRECIPITATION GAGE LOCATION | ELEVATION | CURRENT INFORMATION |                          |           | FROM APPROX. OCT. 1 TO DATE |           |                       |
|---|-----------|---------------------|--------------------------|-----------|-----------------------------|-----------|-----------------------|
|   |           | Date of<br>Reading  | Month's<br>Precipitation | Average † | This Year                   | Average † | Percent of<br>Average |
| <u>UINTAH BASIN SCD</u>                           |           |                     |                          |           |                             |           |                       |
| Currant Creek                                     | 7800      | No Report           |                          | 2.26b     | - -                         | 14.61b    | - -                   |
| Daniels-Strawberry Smt. x                         | 8000      | 4/29                | 3.53                     | 2.72*     | 18.86                       | 19.83*    | 95                    |
| East Portal Ridge x                               | 7800      | 4/29                | 3.44                     | 3.63      | 18.67                       | 20.53*    | 91                    |
| Grizzly Ridge                                     | 8500      | 4/24                | 2.60                     | - -       | 15.32                       | - -       | - -                   |
| Indian Canyon                                     | 9100      | 4/24                | 2.47                     | 2.35b     | 14.44                       | 15.41b    | 94                    |
| Julius Park                                       | 9800      | 4/27                | 1.25                     | 2.99b     | 10.54                       | 14.23*    | 74                    |
| King's Cabin (upper)                              | 8730      | 4/23                | 2.29                     | 2.84      | 13.29                       | 12.88*    | 103                   |
| Lakefork Mountain                                 | 10200     | 4/28                | 1.20                     | 2.55*     | 11.50                       | 13.64*    | 84                    |
| Moon Lake   | 8150      | 4/30                | 0.70                     | 1.47      | 7.25                        | 9.01      | 80                    |
| Mosby Mountain                                    | 9500      | 4/27                | 1.15                     | - -       | 20.43                       | - -       | - -                   |
| Paradise Park                                     | 10100     | 4/27                | 1.36                     | 2.98b     | 11.56                       | 15.52*    | 74                    |
| Rock Creek  | 7900      | 4/30                | 1.44                     | 2.14b     | 11.11                       | 12.56b    | 88                    |
| Soapstone R.S. x                                  | 7800      | 4/30                | 3.45                     | 2.94*     | 19.83                       | 17.61*    | 113                   |
| Trial Lake x                                      | 9800      | 4/30                | 4.48                     | 3.87      | 27.15                       | 25.05*    | 108                   |
| White River #1 x                                  | 8550      | 5/4                 | 3.40                     | 2.61b     | 14.95                       | 15.59*    | 96                    |
| <u>DAGGETT SCD</u>                                |           |                     |                          |           |                             |           |                       |
| Black's Fork Jct.                                 | 8925      | 4/23                | 2.80                     | 2.75b     | 14.65                       | 13.08b    | 112                   |
| Burnt Creek                                       | 7900      | 4/24                | 3.35                     | - -       | 13.98                       | - -       | - -                   |
| East Fk. Black's Fk. G.S.                         | 9300      | 4/23                | 2.63                     | 2.95b     | 14.70                       | 14.01b    | 105                   |
| Hewinta Guard Station                             | 9500      | 4/23                | 3.25                     | 3.18b     | 16.37                       | 14.95b    | 109                   |
| Spirit Lake                                       | 10300     | 4/23                | 4.00                     | 4.35b     | 17.90                       | 18.33*    | 98                    |
| Steel Creek Park                                  | 9900      | 4/30                | 2.76                     | - -       | 18.31                       | - -       | - -                   |
| Hickerson Park                                    | 9100      | 4/23                | 2.74                     | - -       | 8.72                        | - -       | - -                   |
| FOOTNOTES - See last page                         |           |                     |                          |           |                             |           |                       |

# CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

10 0 10 20 30 40  
SCALE IN MILES



WATERSHED LOCATION



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ┌ S.C.S. Storage Gage
- └ W.B. Storage Gage
- ▴ Soil Moisture Sto.

# INDEX

| NO.                         | STATE | NAME                                 | SEC.  | TWP. | RGE. | ELEV.  |
|-----------------------------|-------|--------------------------------------|-------|------|------|--------|
| PRICE RIVER                 |       |                                      |       |      |      |        |
| 10K5M                       | U     | Corral                               | 32    | 13S  | 14E  | 8,200  |
| 11K8                        | U     | Dry Valley Divide                    | 20    | 12S  | 8E   | 7,800  |
| 11K4P                       | U     | Gooseberry Reservoir                 | 25    | 13S  | 5E   | 8,700  |
| 10K3M                       | U     | Grassy Trail Creek-Left Fork         | 2     | 14S  | 13E  | 7,970  |
| 11K5                        | U     | Huntington-Horseshoe                 | 12    | 14S  | 5E   | 9,800  |
| 10K1P                       | U     | Indian Canyon x                      | 2     | 11S  | 10E  | 9,100  |
| 11K7                        | U     | Jones Ranch                          | 32    | 12S  | 7E   | 7,600  |
| 11K3MP                      | U     | Mammoth R.S. -<br>Cottonwood Creek x | 13    | 13S  | 5E   | 8,800  |
| 11K33MP                     | U     | Mud Creek                            | 4     | 14S  | 7E   | 8,300  |
| 10K6                        | U     | Timberline                           | 28    | 13S  | 13E  | 9,100  |
| 10K2MP                      | U     | White River #1                       | 11    | 10S  | 8E   | 8,550  |
| 11K24                       | U     | White River #2                       | 9     | 10S  | 8E   | 7,600  |
| 11K25                       | U     | White River #3                       | 30    | 10S  | 8E   | 7,400  |
| SAN RAFAEL RIVER            |       |                                      |       |      |      |        |
| 11K31P                      | U     | Buck Flat                            | 23    | 19S  | 4E   | 9,400  |
| 11K4P                       | U     | Gooseberry Reservoir x               | 25    | 13S  | 5E   | 8,700  |
| 11K5                        | U     | Huntington-Horseshoe x               | 12    | 14S  | 5E   | 9,800  |
| 11K28P                      | U     | Red Pine Ridge                       | 5     | 16S  | 6E   | 9,400  |
| 11K38                       | U     | Rush Pond                            | 24    | 19S  | 4E   | 9,800  |
| 11K9                        | U     | Seeley Creek R.S.                    | 25    | 17S  | 4E   | 10,000 |
| 11K27P                      | U     | Stuart R.S.                          | 8 & 9 | 15S  | 7E   | 7,950  |
| 11K26                       | U     | Switchback                           | 14    | 14S  | 6E   | 8,600  |
| 11K29                       | U     | Upper Joe's Valley                   | 21    | 16S  | 6E   | 8,900  |
| 11K32                       | U     | Wrigley Creek                        | 27    | 19S  | 5E   | 9,000  |
| MUDDY RIVER                 |       |                                      |       |      |      |        |
| 11K14                       | U     | Black's Fork                         | 34    | 20S  | 4E   | 9,200  |
| 11K15                       | U     | Dill's Camp                          | 27    | 20S  | 4E   | 9,200  |
| FREMONT RIVER               |       |                                      |       |      |      |        |
| 11L4P                       | U     | Black's Flat-U.M. Creek              | 33    | 24S  | 3E   | 9,250  |
| 11L5                        | U     | Donkey Reservoir                     | 9     | 30S  | 4E   | 9,800  |
| 11L3                        | U     | Fish Lake                            | 35    | 26S  | 1E   | 8,700  |
| 11L6                        | U     | Johnson Valley                       | 24    | 25S  | 2E   | 8,850  |
| SOUTHEASTERN UTAH DRAINAGES |       |                                      |       |      |      |        |
| 9M1P                        | U     | Buckboard Flat                       | 36    | 33S  | 22E  | 9,000  |
| 9M2P                        | U     | Camp Jackson                         | 22    | 34S  | 22E  | 8,600  |
| 9L1                         | U     | LaSal Mountain                       | 5     | 27S  | 24E  | 8,800  |
| 9L2P                        | U     | LaSal Mountain (upper)               | 3     | 27S  | 24E  | 9,400  |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

## CARBON, EMERY, WAYNE, GRAND, &amp; SAN JUAN COUNTIES

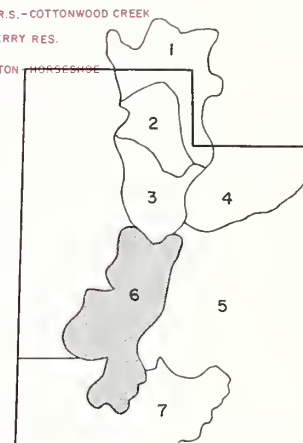
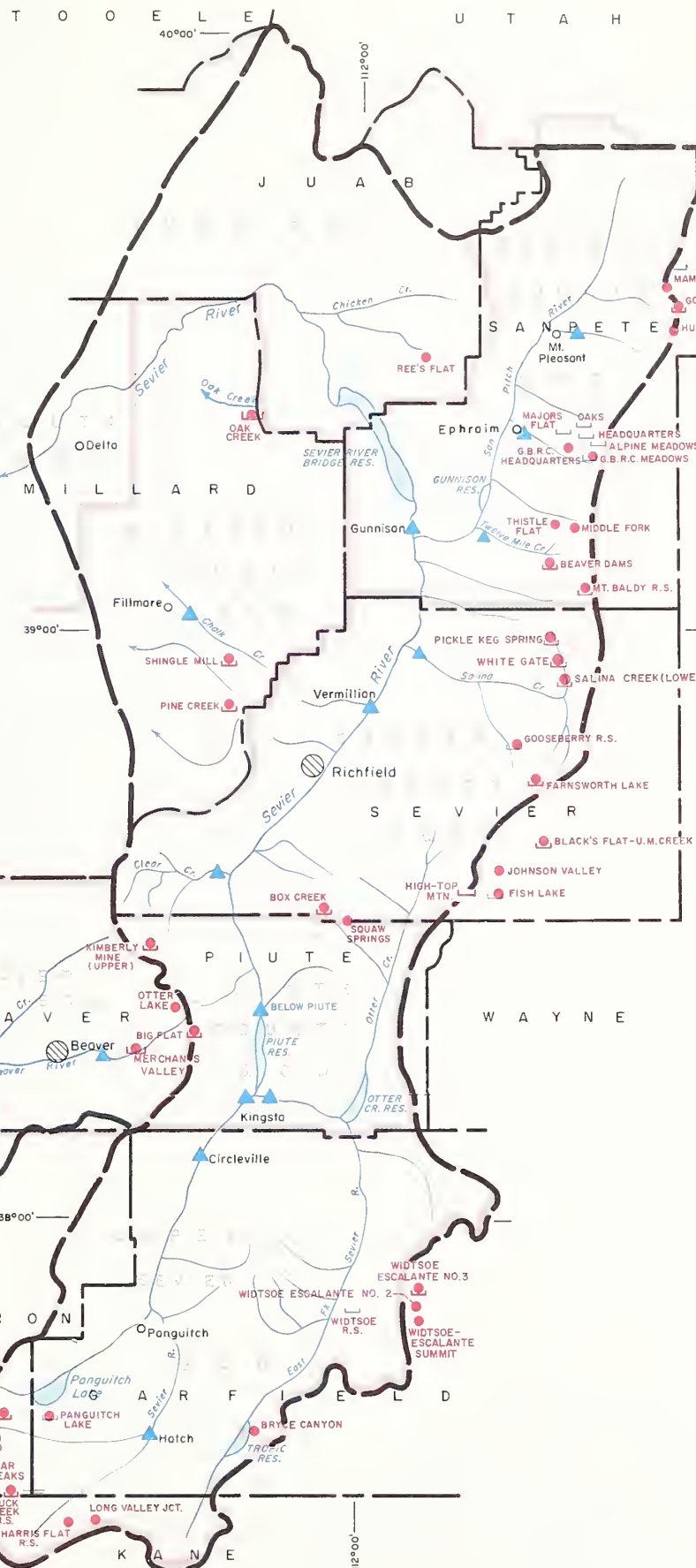
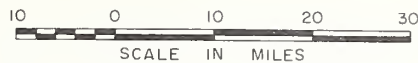
**SNOW**

| DRAINAGE BASIN and/or SNOW COURSE  |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|------------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
|                                    |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                               | Elevation |                |                     |                        | Last Year              | Average † |
| <u>PRICE RIVER</u>                 |           |                |                     |                        |                        |           |
| Dry Valley Divide                  | 7800      | 4/30           | 22                  | 7.9                    | 2.1                    | 3.9b      |
| Gooseberry Reservoir               | 8700      | 4/28           | 62                  | 20.9                   | 21.6                   | 16.1b     |
| Indian Canyon x                    | 9100      | 4/24           | 36                  | 11.1                   | 14.4                   | 7.8*      |
| Mammoth R.S. Ctwd. Crk. x          | 8800      | 4/28           | 66                  | 22.2                   | 22.3                   | 16.1b     |
| Mud Creek #2                       | 8300      | 4/30           | 34                  | 12.1                   | 9.4                    | 7.4b      |
| White River #1                     | 8550      | 5/4            | 37                  | 14.6                   | 9.8                    | 7.4*      |
| White River #2                     | 7600      | 5/4            | 9                   | 3.4                    | 0.0                    | 1.0b      |
| White River #3                     | 7400      | 5/4            | 0                   | 0.0                    | 0.0                    | 0.2b      |
| Jones Ranch                        | 7600      | 4/30           | 2                   | 0.3                    | 5.6                    | 4.9b      |
| <u>SAN RAFAEL RIVER</u>            |           |                |                     |                        |                        |           |
| Buck Flat                          | 9400      | 4/28           | 58                  | 20.2                   | 20.2                   | 15.6b     |
| Gooseberry Reservoir x             | 8700      | 4/28           | 62                  | 20.9                   | 21.6                   | 16.1b     |
| Red Pine Ridge                     | 9400      | 4/29           | 63                  | 21.4                   | 15.8                   | 14.1b     |
| Rush Pond                          | 9800      | 4/28           | 47                  | 14.4                   | 16.7                   | 11.1b     |
| Seely Creek R.S.                   | 10000     | 4/30           | 60                  | 20.2                   | 17.6                   | 15.6b     |
| Stuart R.S.                        | 7950      | 4/30           | 18                  | 5.3                    | 1.9                    | 1.0b      |
| Switchback                         | 8600      | 4/30           | 49                  | 17.0                   | 17.4                   | 11.9b     |
| Upper Joe's Valley                 | 8900      | 4/29           | 35                  | 11.3                   | 6.3                    | 4.9b      |
| Wrigley Creek                      | 9000      | 4/28           | 38                  | 11.8                   | 10.6                   | 6.5b      |
| <u>FREMONT RIVER</u>               |           |                |                     |                        |                        |           |
| Black's Flat-U.M. Creek            | 9250      | 4/27           | 42                  | 14.0                   | 10.8                   | 7.7b      |
| Farnsworth Lake x                  | 9900      | 4/29           | 79                  | 27.8                   | 23.8                   | 18.8b     |
| Fish Lake                          | 8700      | 4/27           | 17                  | 6.1                    | 6.8                    | 2.0b      |
| Johnson Valley                     | 8850      | 4/27           | 23                  | 8.1                    | 5.3                    | 2.2b      |
| <u>SOUTHEASTERN UTAH DRAINAGES</u> |           |                |                     |                        |                        |           |
| Buckboard Flat                     | 9000      | 4/27           | 28                  | 10.0                   | 11.1                   | 5.2b      |
| Camp Jackson                       | 8600      | 4/28           | 31                  | 9.4                    | 12.4                   | 2.9b      |
| LaSal Mountain                     | 8800      | 4/29           | 42                  | 13.4                   | 0.0                    | 1.5b      |
| LaSal Mountain (upper)             | 9400      | 4/29           | 70                  | 22.4                   | 12.0                   | 10.4b     |

FOOTNOTES - See last page



# SEVIER RIVER BASIN including BEAVER RIVER



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- ▲ Soil Moisture Station
- ┌ S.C.S. Storage Gage
- ┌ W.B. Storage Gage



# INDEX

| NO.  | STATE | NAME                          | SEC.    | TWP. | RGE. | ELEV.  |
|--|-------|-------------------------------|---------|------|------|--------|
| UPPER SEVIER RIVER (South of Richfield, Utah)  |       |                               |         |      |      |        |
| 12L7P  | U     | Big Flat x                    | 18      | 29S  | 4W   | 10,290 |
| 12L4P  | U     | Box Creek                     | 33      | 26S  | 2W   | 9,800  |
| 12M8   | U     | Bryce Canyon                  | 36      | 36S  | 4W   | 8,000  |
| 12M13P   | U     | Castle Valley                 | 23      | 36S  | 8W   | 9,700  |
| 12M1P  | U     | Cedar Breaks                  | 2       | 37S  | 9W   | 10,390 |
| 12M4P  | U     | Duck Creek R.S.               | 11      | 38S  | 8W   | 8,700  |
| 11L3   | U     | Fish Lake x                   | 35      | 26S  | 1E   | 8,700  |
| 12M5   | U     | Harris Flat                   | 24      | 38S  | 7W   | 7,700  |
| 11L9   | U     | High-Top Mountain.            | 36      | 25S  | 1E   | 11,400 |
| 12L6P  | U     | Kimberly Mine                 | 11      | 27S  | 5W   | 9,300  |
| 12M6   | U     | Long Valley Junction x        | 22      | 38S  | 6W   | 7,500  |
| 12M2M  | U     | Midway Valley                 | 26      | 37S  | 9W   | 9,800  |
| 12M7P  | U     | Panguitch Lake                | 4 & 5   | 36S  | 7W   | 8,200  |
| 12L5   | U     | Squaw Springs                 | 3       | 27S  | 2W   | 9,300  |
| 11M1   | U     | Widtsoe-Escalante Summit x    | 22      | 34S  | 1W   | 9,500  |
| 11M2   | U     | Widtsoe-Escalante #2 x        | 22      | 34S  | 1W   | 9,500  |
| 11M3P  | U     | Widtsoe-Escalante #3 x        | 22      | 34S  | 1W   | 9,500  |
| 11M4P  | U     | Widtsoe R.S.                  | 22      | 34S  | 2W   | 7,600  |
| LOWER SEVIER RIVER (Including San Pitch River) |       |                               |         |      |      |        |
| 11K13P   | U     | Beaver Dams                   | 27      | 19S  | 3E   | 8,000  |
| 11L1P  | U     | Farnsworth Lake               | 27 & 33 | 23S  | 2E   | 9,900  |
| 11K11P   | U     | G.B.R.C. Headquarters         | 21      | 17S  | 4E   | 8,700  |
| 11K10  | U     | G.B.R.C. Meadows              | 26 & 27 | 17S  | 4E   | 10,000 |
| 11L2   | U     | Gooseberry R.S.               | 22      | 23S  | 2E   | 8,400  |
| 11K4P  | U     | Gooseberry Reservoir x        | 25      | 13S  | 5E   | 8,700  |
| 11K5   | U     | Huntington-Horseshoe x        | 12      | 14S  | 5E   | 9,800  |
| 11K3MP   | U     | Mammoth R.S.-Cottonwood Creek | 13      | 13S  | 5E   | 8,800  |
| 11K34  | U     | Middle Fork                   | 16      | 18S  | 4E   | 9,600  |
| 11K12P   | U     | Mt. Baldy R.S.                | 19      | 19S  | 4E   | 9,500  |
| 11K2P  | U     | Oak Creek                     | 9       | 17S  | 3W   | 7,760  |
| 11K39  | U     | Pickle Keg Springs            | 4       | 21S  | 3E   | 9,600  |
| 12L1P  | U     | Pine Creek                    | 24      | 22S  | 4W   | 8,700  |
| 11K36  | U     | Rees's Flat                   | 20      | 15S  | 2E   | 7,300  |
| 11L8   | U     | Salina Creek (lower)          | 12      | 22S  | 3E   | 7,250  |
| 12L11P   | U     | Shingle Mill                  | 5       | 22S  | 3W   | 6,200  |
| 11K35  | U     | Thistle Flat                  | 23      | 18S  | 3E   | 8,500  |
| 11L7   | U     | White Gate                    | 16      | 21S  | 3E   | 9,350  |
| BEAVER RIVER                                   |       |                               |         |      |      |        |
| 12L7P  | U     | Big Flat                      | 18      | 29S  | 4W   | 10,290 |
| 12L9P  | U     | Merchant's Valley             | 8 & 9   | 29S  | 5W   | 8,200  |
| 12L8   | U     | Otter Lake                    | 1       | 29S  | 5W   | 9,300  |

## LEGEND

Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

## SEVIER RIVER BASIN including BEAVER RIVER

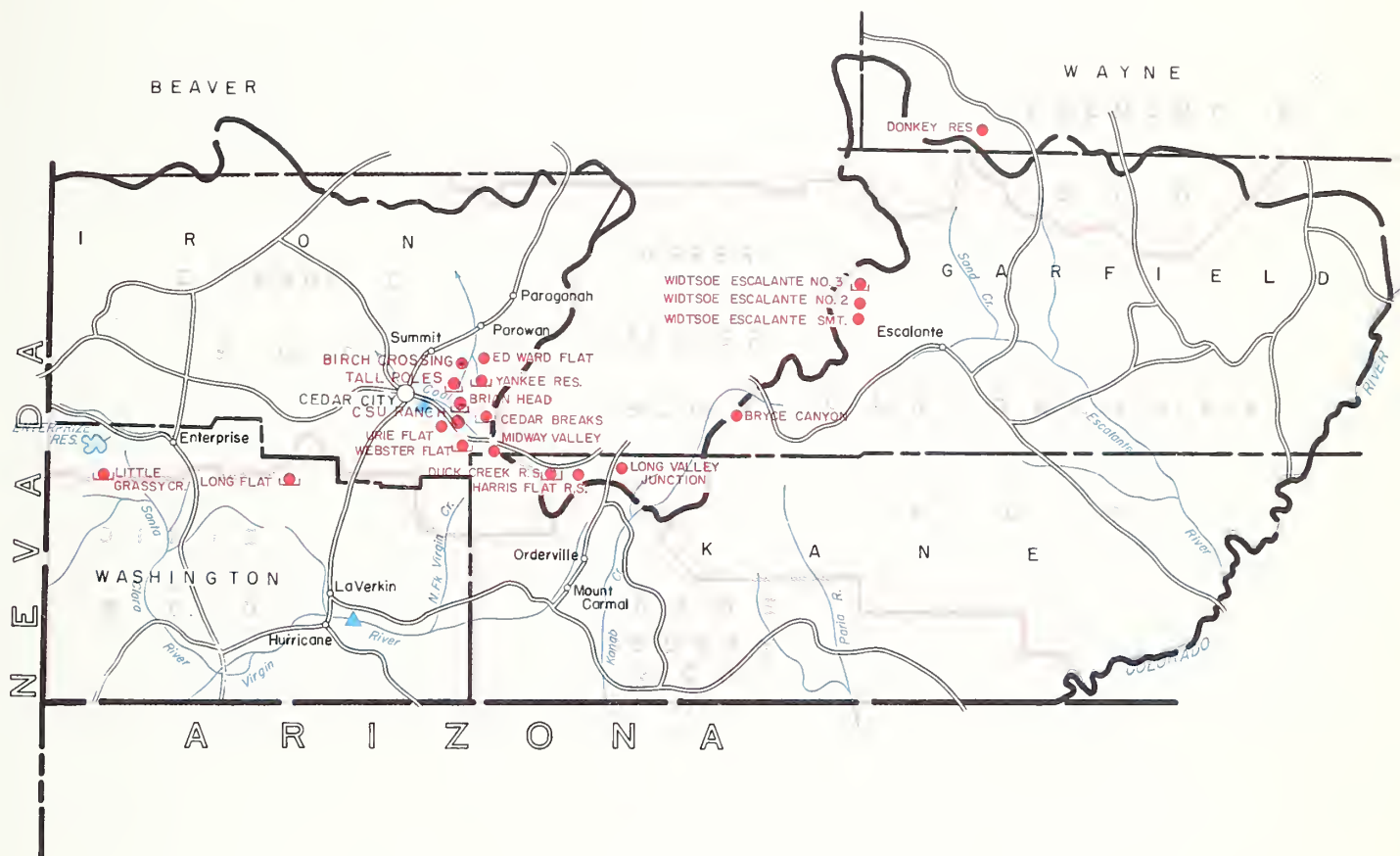
## SNOW

| DRAINAGE BASIN and/or SNOW COURSE                              |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|--|-----------|----------------|---------------------|------------------------|------------------------|-----------|
|  |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME   | Elevation |                |                     |                        | Last Year              | Average † |
| <u>UPPER SEVIER RIVER</u><br><u>(South of Richfield, Utah)</u> |           |                |                     |                        |                        |           |
| Big Flat x   | 10290     | 4/27           | 63                  | 21.6                   | 27.3                   | 17.8      |
| Box Creek  | 9800      | 4/27           | 50                  | 15.0                   | 17.1                   | 10.2b     |
| Castle Valley  | 9700      | 4/30           | 29                  | 7.4                    | 13.0                   | 6.7b      |
| Duck Creek R.S.  | 8700      | 4/29           | 14                  | 2.1                    | 21.6                   | 4.6       |
| Fish Lake  | 8700      | 4/27           | 17                  | 6.1                    | 6.8                    | 2.0b      |
| Harris Flat R.S.   | 7700      | 4/29           | 6                   | 1.0                    | 6.2                    | 0.7       |
| Kimberly Mine  | 9300      | 4/29           | 66                  | 21.7                   | 19.8                   | 12.8b     |
| Midway Valley  | 9800      | 4/29           | 54                  | 17.0                   | 39.5                   | 19.7b     |
| Panguitch Lake   | 8200      | 4/30           | 6                   | 1.4                    | 0.0                    | 0.1       |
| Squaw Springs  | 9300      | 4/28           | 25                  | 8.2                    | 7.6                    | 2.6b      |
| Widtsoe-Escalante  | 9500      | 4/29           | 6                   | 1.1                    | 1.8                    | 2.6       |
| Widtsoe-Escalante #2   | 9500      | 4/29           | 21                  | 6.3                    | 8.6                    | 5.3       |
| Widtsoe-Escalante #3   | 9500      | 4/29           | 33                  | 10.1                   | 11.7                   | 7.4b      |
| Long Valley Jct  | 7500      | 4/29           | 4                   | 0.5                    | 0.0                    | 0.1b      |
| <u>LOWER SEVIER RIVER</u><br><u>(including San Pitch)</u>      |           |                |                     |                        |                        |           |
| Beaver Dams  | 8000      | 4/27           | 25                  | 9.4                    | 8.1                    | 5.8       |
| Farnsworth Lake  | 9900      | 4/29           | 79                  | 27.8                   | 23.8                   | 18.8      |
| G.B.R.C. Headquarters  | 8700      | 4/30           | 56                  | 19.1                   | 16.5                   | 13.5      |
| G.B.R.C. Meadows   | 10000     | 4/30           | 88                  | 31.8                   | 30.2                   | 26.3      |
| Gooseberry R.S.  | 8400      | 4/29           | 45                  | 15.4                   | 9.8                    | 6.9       |
| Gooseberry Reservoir x   | 8700      | 4/28           | 62                  | 20.9                   | 21.6                   | 16.1b     |
| Mammoth R.S. - Ctnwd. Crk                                      | 8800      | 4/28           | 66                  | 22.2                   | 22.3                   | 16.1b     |
| Mt. Baldy R.S.   | 9500      | 4/27           | 74                  | 28.7                   | 30.6                   | 22.9      |
| Oak Creek  | 7760      | 5/1            | 38                  | 11.2                   | 12.2                   | - -       |
| Pickle Keg Springs   | 9600      | 4/24           | 55                  | 20.3                   | - -                    | - -       |
| Pine Creek   | 8700      | 4/30           | 61                  | 18.8                   | 18.2                   | 11.0b     |
| Shingle Mill   | 6200      | 4/30           | 22                  | 6.5                    | 4.2                    | 0.8b      |
| Big Flat   | 10290     | 4/27           | 63                  | 21.6                   | 27.3                   | 17.8      |
| Merchant Valley  | 8200      | 4/27           | 21                  | 7.2                    | 11.6                   | 2.8       |
| Otter Lake   | 9300      | 4/27           | 48                  | 16.8                   | 23.6                   | 12.2      |

FOOTNOTES - See last page

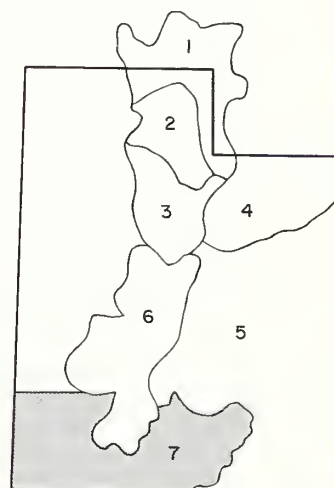


# EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- S.C.S. Storage Gage
- W.B. Storage Gage



WATERSHED LOCATION

# INDEX

| NO.                                 | STATE | NAME                     | SEC.    | TWP. | RGE. | ELEV.  |
|-------------------------------------|-------|--------------------------|---------|------|------|--------|
| PARIA RIVER                         |       |                          |         |      |      |        |
| 12M8                                | U     | Bryce Canyon x           | 36      | 36S  | 4W   | 8,000  |
| PAROWAN CREEK                       |       |                          |         |      |      |        |
| 12M16                               | U     | Birch Crossing           | 23      | 35S  | 9W   | 8,100  |
| 12M14                               | U     | Brian Head               | 10      | 36S  | 9W   | 10,000 |
| 12M12                               | U     | Ed Ward Flat             | 17      | 35S  | 8W   | 8,300  |
| 12M15                               | U     | Tall Poles               | 26 & 35 | 35S  | 9W   | 8,800  |
| 12M11P                              | U     | Yankee Reservoir         | 20      | 35S  | 8W   | 8,700  |
| COAL CREEK                          |       |                          |         |      |      |        |
| 12M1P                               | U     | Cedar Breaks x           | 2       | 37S  | 9W   | 10,390 |
| 12M17                               | U     | CSU Ranch                | 18      | 37S  | 9W   | 8,200  |
| 12M2M                               | U     | Midway Valley x          | 26      | 37S  | 9W   | 9,800  |
| 12M10                               | U     | Urie Flat                | 11      | 37S  | 10W  | 8,450  |
| 12M3MP                              | U     | Webster Flat x           | 20      | 37S  | 9W   | 9,200  |
| ENTERPRISE TO NEW HARMONY DRAINAGES |       |                          |         |      |      |        |
| 13M4MP                              | U     | Little Grassy Creek      | 15      | 38S  | 17W  | 6,100  |
| 13M2MP                              | U     | Long Flat                | 2       | 38S  | 14W  | 8,000  |
| ESCALANTE RIVER                     |       |                          |         |      |      |        |
| 11M1                                | U     | Widtsoe-Escalante Summit | 22      | 34S  | 1W   | 9,500  |
| 11M2                                | U     | Widtsoe-Escalante #2     | 22      | 34S  | 1W   | 9,500  |
| 11M3P                               | U     | Widtsoe-Escalante #3     | 22      | 34S  | 1W   | 9,500  |
| VIRGIN RIVER                        |       |                          |         |      |      |        |
| 12M1P                               | U     | Cedar Breaks x           | 2       | 37S  | 9W   | 10,390 |
| 12M4P                               | U     | Duck Creek R.S. x        | 11      | 38S  | 8W   | 8,700  |
| 12M5                                | U     | Harris Flat x            | 24      | 38S  | 7W   | 7,700  |
| 12M6                                | U     | Long Valley Junction     | 22      | 38S  | 6W   | 7,500  |
| 12M2M                               | U     | Midway Valley x          | 26      | 37S  | 9W   | 9,800  |
| 12M3MP                              | U     | Webster Flat             | 20      | 37S  | 9W   | 9,200  |

## LEGEND

### Numbering system (example)

|        |   |
|--------|---|
| 10J7   | SNOW COURSE ONLY  |
| 10J7P  | SNOW COURSE AND PRECIPITATION GAGE                        |
| 10J7M  | SNOW COURSE AND SOIL MOISTURE STATION                     |
| 10J7A  | SNOW COURSE AND AERIAL MARKER                             |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER      |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE |
| 10J7m  | SOIL MOISTURE STATION ONLY                                |
| 10J7a  | AERIAL MARKER ONLY  |
| 10J7p  | STORAGE PRECIPITATION GAGE ONLY                           |
| x      | ADJACENT DRAINAGE   |

## EAST GARFIELD, KANE, WASHINGTON &amp; IRON

## SNOW

| SNOW                                       |           | THIS YEAR      |                     |                        | PAST RECORD            |           |
|--|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE          |           | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) |           |
| NAME                                       | Elevation |                |                     |                        | Last Year              | Average † |
| <u>ESCALANTE RIVER</u>                     |           |                |                     |                        |                        |           |
| Widtsoe-Escalante Smt.                     | 9500      | 4/29           | 6                   | 1.1                    | 1.8                    | 2.6       |
| Widtsoe-Escalante #2                       | 9500      | 4/29           | 21                  | 6.3                    | 8.6                    | 5.3       |
| Widtsoe-Escalante #3                       | 9500      | 4/29           | 33                  | 10.1                   | 11.7                   | 7.4b      |
| <u>VIRGIN RIVER &amp; COAL CREEK</u>       |           |                |                     |                        |                        |           |
| CSU Ranch                                  | 8200      | 4/29           | 7                   | 1.8                    | 6.2                    | - -       |
| Duck Creek R.S.                            | 8700      | 4/29           | 14                  | 2.1                    | 21.6                   | 4.6       |
| Harris Flat x                              | 7000      | 4/29           | 6                   | 1.0                    | 6.2                    | 0.7       |
| Midway Valley x                            | 9800      | 4/29           | 54                  | 17.0                   | 39.5                   | 19.7b     |
| Urie Flat                                  | 8450      | 4/29           | 8                   | 1.9                    | 6.7                    | 1.3b      |
| Webster Flat                               | 9200      | 4/29           | 38                  | 13.1                   | 29.5                   | 8.9       |
| <u>PAROWAN CREEK</u>                       |           |                |                     |                        |                        |           |
| Birch Crossing                             | 8100      | 4/28           | 9                   | 1.5                    | 0.0                    | - -       |
| Brian Head                                 | 10000     | 4/28           | 68                  | 20.8                   | 28.4                   | - -       |
| Ed Ward Flat                               | 8300      | 4/28           | 19                  | 4.9                    | 1.0                    | 1.7b      |
| Tall Poles                                 | 8800      | 4/28           | 46                  | 13.6                   | 16.8                   | - -       |
| Yankee Reservoir                           | 8700      | 4/28           | 29                  | 8.6                    | 8.0                    | 5.6b      |
| <u>ENTERPRISE TO NEW HARMONY DRAINAGES</u> |           |                |                     |                        |                        |           |
| Little Grassy Creek                        | 6100      | 4/30           | 0                   | 0.0                    | 0.0                    | 0.0b      |
| Long Flat                                  | 8000      | 4/30           | 2                   | 0.6                    | 0.0                    | 0.4b      |
| FOOTNOTES - See last page                  |           |                |                     |                        |                        |           |



## FOOTNOTES

- (1) Data supplied by U. S. Forest Service
- (2) Data supplied by U. S. Weather Bureau
- (3) Data supplied by U. S. Geological Survey
  
- (a) 1953-67 - 15-year average period
- (b) Average of all past record - less than 15 years
- (c) Taken at Compromise point
  
- (A) Aerial observation - water content estimated
- (x) Adjacent drainage
- \* Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
- (2) Observed flow plus change in storage in East Canyon Reservoir.
- (3) Inflow record as computed by U. S. Bureau of Reclamation.
- (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
- (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
- (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
- (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal.
- (8) Change in storage plus diversion thru Strawberry tunnel.
- (9) Observed flow plus change in storage in Otter Creek Reservoir.
- (10) Gage is below diversions near Salina.
- (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
- (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
- (13) Observed flow plus diversion through Duchesne Tunnel.
- (14) Observed flow plus change in storage in Moon Lake Reservoir.
- (15) Observed flow plus change in storage reservoir.
- (16) Corrections made for Strawberry, Moon Lake, Starvation Reservoir, Strawberry and Duchesne Tunnels.
  
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.



# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
Weather Bureau  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG. -- ROOM 4012  
SALT LAKE CITY, UTAH 84111

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